Date: Jan 12, 2015 Engineer: Narendra Kumar

tem	Qty	Reference	Value	Description	Size	Part_Number	Manufacturer	Notes	Populate
		C1 C2	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C3	10uF 10uF	Capacitor, Ceramic, 25V, X7R, 20% Capacitor, Ceramic, 25V, X7R, 20%	1206 1206	GRM31CR61E106KA12L GRM31CR61E106KA12L	Murata		Yes
		C4	10uF	Capacitor, Ceramic, 25V, X7R, 20%  Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata Murata		Yes
		C5	10uF	Capacitor, Ceramic, 25V, X7R, 20%  Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C6	10uF	Capacitor, Ceramic, 25V, X7R, 20%  Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		No
		C7	10uF	Capacitor, Ceramic, 25V, X7R, 20%  Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		No
		C8	22uF	Capacitor, Ceramic, 25V, X7R, 20%	603	GRM31CR61E106KA12L	Murata		No
		C9	1uF		402	STD	STD		Yes
		C10		Capacitor, Ceramic, 10V, X7R, 10%	603	STD			+
			0.1uF	Capacitor, Ceramic, 25V, X7R, 10%			STD		Yes
		C11	220uF	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo		No
	1	C13	560pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	1	No
	1	C14	470uF/4.5mohm	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo	1	Yes
		C16	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata		Yes
		C17	470uF/4.5mohm	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo		No
		C19	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata		Yes
		C23	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C24	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C25	10uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		Yes
		C26	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	ļ	Yes
	ļ	C27	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		No
		C29	10uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		No
		C31	560pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C32	1nF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C33	0.33uF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C34	1uF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C35	560pF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C36	1uF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
	1	C37	1500pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	1	Yes
		C38	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C39	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C40	22uF	Capacitor, Ceramic, 6.3V, XSR, 10%  Capacitor, Ceramic, 6.3V, XSR, 10%	805	GRM21BR60J226ME39L	Murata		No
		C40	22uF		805				
		C41		Capacitor, Ceramic, 6.3V, X5R, 10%		GRM21BR60J226ME39L	Murata		No
	1		22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	1	No
		C43	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C44	2.2 uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		Yes
		C45	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C46	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		No
		C47	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C48	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C49	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C50	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C51	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C52	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C54	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C55	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C56	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C57	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C58	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C59	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C60	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
	l -	C61	22uF	Capacitor, Ceramic, 6.3V, XSR, 10%  Capacitor, Ceramic, 6.3V, XSR, 10%	805	GRM21BR60J226ME39L	Murata		No
	1	C62	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%  Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
	1	C63	22uF		805	GRM21BR60J226ME39L	Murata	1	No
	1	C64		Capacitor, Ceramic, 6.3V, X5R, 10%	402	STD		1	1
	1	C65	1nF	Capacitor, Ceramic, 25V, X7R, 10%	805		STD	1	Yes
	<b> </b>	+	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	1	GRM21BR60J226ME39L	Murata	<b> </b>	No
	<b>!</b>	C66	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	<b> </b>	No
	<b> </b>	C67	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	<b> </b>	No
	<b> </b>	C68	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	<b> </b>	No
	ļ	C69	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	ļ	No
	ļ	C70	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	ļ	Yes
	ļ	C71	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	ļ	No
	ļ	C72	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	ļ	No
		C73	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C74	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C75	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C76	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C77	1nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
	1	C78	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata	1	No
		C80	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
	1	C83	22uF	Capacitor, Ceramic, 6.3V, XSR, 10%  Capacitor, Ceramic, 6.3V, XSR, 10%	805	GRM21BR60J226ME39L	Murata		No
	<u> </u>	C85	220uF		7343	EEFSX0D331XR		1	No
	1	C86	220uF 220uF	Capacitor, Aluminum, 2V, 6mOhm 10%	7343		Panasonic	1	No
	1			Capacitor, Aluminum, 2V, 6mOhm 10%	1	EEFSX0D331XR	Panasonic	1	
	<b> </b>	C87	22uF	Capacitor, Ceramic,6.3V, X5R, 10%	603	N/A	Murata	<b> </b>	No
		C88 C89	22uF 10uF	Capacitor, Ceramic,6.3V, X5R, 10%	603 805	N/A GRM21BR60J106KE19L	Murata	<u> </u>	No
				Capacitor, Ceramic, 6.3V, X5R, 10%			Murata		Yes

CT   Start								
Section   Community Comm		C91	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
SECOND   Control Con		C92	22uF	Capacitor, Ceramic,6.3V, X5R, 10%	603	N/A	Murata	No
SECOND   Control Con		-				'		
Column				1 . , , , ,				
Section		-			1		1	
ST		-				'	1	
CRE   Self		-			+			
Col.		C97	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
Cold   Cut   Country		C98	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	GRM21BR60J106KE19L	Murata	No
C103		C99	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	GRM21BR60J106KE19L	Murata	No
CS2		C100	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
CS2		C101	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KF19L	Murata	Yes
Cold								
CSA   Darb				1 . , , , ,			1	
Cold		-						
Cold				1 . , , , ,			1	
C-227   22.8F		C105	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
CORP.   Col.		C106	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
Company		C107	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
Company		C108	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
C110   23 of		C109	22µF		603	STD	STD	No
C121   22.04		-					1	
C112   30.81   Capatron, Ceramic, 250, VSR, 190.   40.0   170							+	
C114		-				† ·		
C115		C112	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata	Yes
C115		C114	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
C116		C115	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
C118		-					1	
C18   724F   Capatine, Common, 250, 276, 1006   631   670   570   570   570   580	<u> </u>	-					1	
C119   Zhaf   Capatine, Coramon, Coll., No. 1970   STD   No.					+		1	
C171		-		, , , ,				 
C122   2348			-	Capacitor, Ceramic, 25V, X7R, 10%			·	
C136		C121	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	 No
C136		C122	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
C177		C136	1nF		603	STD	STD	Yes
C188	1						1	
C139		-						
C424   10ef		-					1	
C145		C139	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
C161		C142	10pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
C162		C145	10pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
C192   Opp		C161	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD		Yes
DOIS   LEG   DIOS   LEG   STEEN   DIOS   LEG   STEEN   DIOS   LEG   STEEN   DIOS   NO.		C162	10nF		603	STD	STD	Yes
D21		-	'					
Deck   Coll. Green Clear 2 Drond   Clear 2 Drond   Drond   Clear 2 Drond   D								
1   33457			RED	Diode, LED, Red Clear, 20mcd	0.079 X 0.049	LIST-C170CKT	Lite On	
11   33457   Uninsulated   Decision   Deci		D23	GREEN	Diode, LED, Green Clear, 20mcd		LTST-C170GKT	Lite On	Yes
11   54457   Uninsulated   February				LUG, Solderless, #10 - #10-12 AWG, Copper/Tin,	0.375 x1.00 inch	33457	AMP	
18		J1	33457	Uninsulated		33.37	,	Yes
9		J7	PEC06SAAN	Header, Male 6-pin, 100mil spacing,	0.100 inch x 6	PEC06SAAN	Sullins	Yes
9		J8	PEC08DAAN	Header, Male 2x8 pin, 100mil spacing	0.100 inch X2X8	PEC08DAAN	Sullins	Yes
130		J9	PTC36SAAN		0.100 inch x 2	PEC02SAAN	Sullins	Yes
111								
113   3929042   Header, ATX 222 Vertical with Mounting Pegs   4,2x15 mm   3929042   Phoenix Contact   Ves		-			1		1	
114				Header, Male 2-pin, 100mil spacing, (36-pin strip)	10.100 inch x 2		Sullins	
15	I					1	<del> </del>	
118   33457   Uninsulated   US, Solderless, #10 - #10 - 12 AWG, Copper/Tin,   Uninsulated   US, Pipin, 6-A, 3.5mm   0.27 x 0.25 inch   E0555/2DS   OST   Yes		J13		Header, ATX 2x2 Vertical with Mounting Pegs		1	<del> </del>	res
18   33457   Uninsulated   1975   1		J13	39299042		4.2x15 mm	39299042	Phoenix Contact	
188   33457   Uninsulated   344000007   Header, ATX 2x12 Vertical with Mounting Pegs   3.6x60 mm   442000007   Phoenix Contact   Yes		J13 J14	39299042 8952-0-05-80-00-00-03-0	Header, Single pin	4.2x15 mm 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max	Yes
120   ED1514   Terminal Block, 2-pin, 6-A, 3.5mm   0.27 x 0.25 inch   ED555/2DS   OST   Yes		J13 J14	39299042 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max	Yes
120   ED1514   Terminal Block, 2-pin, 6-A, 3.5mm   0.27 x 0.25 inch   ED555/2DS   OST   Yes		J13 J14 J15	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin,	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max	Yes Yes
121		J13 J14 J15 J18	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457	Phoenix Contact Mill-Max Mill-Max AMP	Yes Yes
122   PECO8DAAN   Header, Male 2x8 pin, 100mil spacing   0.100 inch X2X8   PECO8DAAN   Sullins   Yes		J13 J14 J15 J18 J19	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact	Yes Yes Yes
123		J13 J14 J15 J18 J19 J20	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact	Yes Yes Yes
124   33457   LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated   Uninsulated   Uninsulated   Yes		J13 J14 J15 J18 J19 J20 J21	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST	Yes Yes Yes Yes
1,24   33457		J13 J14 J15 J18 J19 J20 J21 J22	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST	Yes Yes Yes Yes
125		J13 J14 J15 J18 J19 J20 J21 J22	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm Header, Male 2x8 pin, 100mil spacing	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins	Yes Yes Yes Yes
126		J13 J14 J15 J18 J19 J20 J21 J22 J23	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing LUG, Solderless, #10 - #10-12 AWG, Copper/Tin,	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins	Yes Yes Yes Yes Yes Yes Yes
130   33457   LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated   Ves		J13 J14 J15 J18 J19 J20 J21 J22 J23	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP	Yes Yes Yes Yes Yes Yes Yes Yes
J30   J3457   Uninsulated		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN 33457 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x 1.00 inch 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN 33457 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max	Yes Yes Yes Yes Yes Yes Yes Yes Yes
130   33457   Uninsulated   120   Uninsulated   1345   PTC365AAN   Header, Male 2-pin, 100mil spacing, (36-pin strip)   0.100 inch x 2   PEC025AAN   Sullins   Yes   Ves		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN 33457 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin Header, Single pin	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x1.00 inch 0.125 x 1 inch 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN 33457 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max	Yes Yes Yes Yes Yes Yes Yes Yes Yes
J31   J3457   Uninsulated   J45   PTC36SAAN   Header, Male 2-pin, 100mil spacing, (36-pin strip)   O.100 inch x 2   PEC02SAAN   Sullins   Yes		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin,	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x1.00 inch 0.125 x 1 inch 0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max	Yes
131   3345   Uninsulated   145   PTC365AAN   Header, Male 2-pin, 100mil spacing, (36-pin strip)   0.100 inch x 2   PEC025AAN   Sullins   Yes		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514 PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max	Yes
146		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP	Yes
J50		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30 J31	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch 0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP AMP	Yes
L1         2.2uH/5mohm         Inductor, Power choke         0.453 x 0.394 inch         FDUE1040D-R 36M         Toko         No           L1A         2.2uH/5mohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         Yes           L2         2.2uH/5mohm         Inductor, Power choke         0.453 x 0.394 inch         FDUE1040D-R 36M         Toko         No           L2A         2.2uH/5mohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         No           Q1         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         Yes           Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603 <td></td> <td>  113</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN</td> <td>Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated</td> <td>4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN</td> <td>Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max AMIP AMP Sullins</td> <td>Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</td>		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max AMIP AMP Sullins	Yes
L1         2.2uH/5mohm         Inductor, Power choke         0.453 x 0.394 inch         FDUE1040D-R 36M         Toko         No           L1A         2.2uH/5mohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         Yes           L2         2.2uH/5mohm         Inductor, Power choke         0.453 x 0.394 inch         FDUE1040D-R 36M         Toko         No           L2A         2.2uH/5mohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         No           Q1         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         Yes           Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603 <td></td> <td>  113</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN</td> <td>Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip)</td> <td>4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN</td> <td>Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max AMIP AMP Sullins</td> <td>Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</td>		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip)	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max AMIP AMP Sullins	Yes
L1A   2.2uH/Smohm   Inductor, Power choke SMT   0.303 x 0.276 inch   ETQP4LP15AFM   Toko   Yes		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip)	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP AMP Sullins Sullins Sullins	Yes
L2         2.2uH/Smohm         Inductor, Power choke         0.453 x 0.394 inch         FDUE1040D-R 36M         Toko         No           L2A         2.2uH/Smohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         No           Q1         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         Yes           Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R8         9.37k         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay <t< td=""><td></td><td>  113</td><td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0</td><td>Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin</td><td>4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.100 inch x 2 0.100 inch x 2  0.100 inch x 2  0.125 x 1 inch</td><td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457  33457 PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0</td><td>Phoenix Contact  Mill-Max  Mill-Max  AMP  Phoenix Contact  OST  Sullins  AMP  Mill-Max  Mill-Max  Mill-Max  AMP  AMP  Sullins  Sullins  Sullins  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max</td><td>Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</td></t<>		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.100 inch x 2 0.100 inch x 2  0.100 inch x 2  0.125 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457  33457 PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0	Phoenix Contact  Mill-Max  Mill-Max  AMP  Phoenix Contact  OST  Sullins  AMP  Mill-Max  Mill-Max  Mill-Max  AMP  AMP  Sullins  Sullins  Sullins  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max  Mill-Max	Yes
L2A         2.2uH/5mohm         Inductor, Power choke SMT         0.303 x 0.276 inch         ETQP4LP15AFM         Toko         No           Q1         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         Yes           Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch., -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No <td></td> <td>  113</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm</td> <td>Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke</td> <td>4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.100 inch x 2  0.105 x 1 inch</td> <td>39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PFC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M</td> <td>Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP Sullins Sullins Sullins Sullins Sullins Sullins Sullins Sullins Mill-Max</td> <td>Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</td>		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.100 inch x 2  0.105 x 1 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PFC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP Sullins Sullins Sullins Sullins Sullins Sullins Sullins Sullins Mill-Max	Yes
Q1         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         Yes           Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.100 inch x 2  0.125 x 1 inch  0.375 x 1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max AMP Mill-Max Mill-Max AMP Sullins Sullins Sullins Mill-Max Toko Toko	Yes
Q2         CSD97376CQ4M         IC, Synchronous Buck NexFETPower Stage         QFN         CSD97376CQ4M         TI         No           Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Ves           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs  Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Single pin Inductor, Power choke Inductor, Power choke	4.2x15 mm  0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch 0.125 x 1 inch 0.375 x1.00 inch  0.125 x 1 inch 0.375 x1.00 inch  0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.375 x1.00 inch 0.453 x 0.394 inch 0.453 x 0.394 inch 0.453 x 0.394 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max AMP Mill-Max Mill-Max Mill-Max AMP AMP Sullins Sullins Sullins Toko Toko	Yes
Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Ves           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30 J31 J45 J46 J50 L1 L1A L2 L2A	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PCUB SABOR S	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs  Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Single pin  Inductor, Power choke Inductor, Power choke Inductor, Power choke Inductor, Power choke	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x 1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max Mill-Max AMP AMP Sullins Sullins Sullins Toko Toko Toko	Yes
Q27         BSS83P         MOSFET, Pch, -60V, -0.33A, 2 Ohm         SOT23         BSS83P         Infineon         Yes           Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Ves           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30 J31 J45 J46 J50 L1 L1A L2 L2A	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PCUB SABOR S	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs  Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Single pin  Inductor, Power choke Inductor, Power choke Inductor, Power choke Inductor, Power choke	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x 1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457  PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PECO2SAAN PEC02SAAN	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max Mill-Max AMP AMP Sullins Sullins Sullins Toko Toko Toko	Yes
Q30         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30 J31 J45 J46 J50 L1 L1A L2 L2A Q1	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm CSD97376CQ4M	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke SMT Ic, Synchronous Buck NexFETPower Stage	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.750 inch  0.750 inch  0.750 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457  PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN FUCUSAAN FUCUS	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max Mill-Max AMP Sullins Sullins Sullins Toko Toko Toko Toko Ti	Yes
Q32         BSS123         MOSFET, Nch, 100V, 0.17A, 6 Ohm         SOT23         BSS123         Fairchild         Yes           R3         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Ves           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		J13	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm CSD97376CQ4M CSD97376CQ4M	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs  Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Single pin Inductor, Power choke  Inductor, Power choke SMT  IC, Synchronous Buck NexFETPower Stage  IC, Synchronous Buck NexFETPower Stage	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.375 x 1.00 inch  0.375 x 1.00 inch  0.375 x 1.00 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  QFN  QFN	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS PEC08DAAN 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN FULLIANDE AS GM ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max AMIP Mill-Max Mill-Max AMP Sullins Sullins Sullins Toko Toko Toko Ti	Yes
R3       1       Resistor, Chip, 1/16W, 1%       603       STD       STD       Yes         R6       1       Resistor, Chip, 1/16W, 1%       603       STD       STD       No         R8       9.37k       Resistor, Chip, 1/16W, 1%       603       STD       STD       Yes         R9       Short       Resistor, Power 1W, 1%,       612       WSK06121L000F       Vishay       Ves         R10       Short       Resistor, Power 1W, 1%,       612       WSK06121L000F       Vishay       No		J13	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 33457 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN 2.2uH/Smohm 2.2uH/Smohm 2.2uH/Smohm 2.2uH/Smohm CSD97376CQ4M CSD97376CQ4M BSS83P	Header, Single pin  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, ATX 2x12 Vertical with Mounting Pegs  Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Single pin  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Male 2-pin, 100mil spacing, (36-pin strip)  Header, Single pin Inductor, Power choke SMT  Ic, Synchronous Buck NexFETPower Stage  IC, Synchronous Buck NexFETPower Stage	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max AMIP Mill-Max AMIP AMP Sullins Sullins Sullins Toko Toko Toko Ti Ti Infineon	Yes
R6         1         Resistor, Chip, 1/16W, 1%         603         STD         STD         No           R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PC36SAAN 2.2uH/Smohm 2.2uH/Smohm 2.2uH/Smohm 2.2uH/Smohm CSD97376CQ4M CSD97376CQ4M BSS83P BSS123	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke Inductor, Power choke SMT Inductor, Power choke Inductor, Power choke SMT Ic, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage MOSFET, Pch, -60V, -0.33A, 2 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.375 x1.00 inch  0.303 x 0.394 inch  0.453 x 0.396 inch  0.453 x 0.396 inch  0.453 x 0.396 inch  0.453 x 0.397 inch  0.453 x 0.396 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PETQP4LP15AFM ETQP4LP15AFM ETQP4LP15AFM ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins  AMP Mill-Max Mill-Max AMIP AMP Sullins Sullins Toko Toko Toko Ti Infineon Fairchild	Yes
R8         9.37k         Resistor, Chip, 1/16W, 1%         603         STD         STD         Yes           R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113   114   115   118   119   120   121   122   123   124   125   126   130   131   145   146   150   11   11A   12   12A   121   122   124   122   124   124   124   125   126   130   131   145   146   150   146   150   146   150   146   150   146   122   124   124   124   125   126	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke Inductor, Power choke SMT Inductor, Power choke SMT IC, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage MOSFET, Pch, -60V, -0.33A, 2 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.303 x 0.276 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.507 x 1.00	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PEC10400-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123 BSS123	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST  Sullins  AMP Mill-Max Mill-Max Mill-Max AMP Sullins Sullins  Toko Toko Toko Toko Toko Ti II Infineon Fairchild Fairchild	Yes
R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113   114   115   118   119   120   121   122   123   124   125   126   130   131   145   146   150   11   11A   12   12A   Q1   Q2   Q27   Q30   Q32   R3	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke Inductor, Power choke Inductor, Power choke SMT Inductor, Power choke	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.303 x 0.276 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.507 x 1.00	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457  PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123 BSS123 STD	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST  Sullins  AMP Mill-Max Mill-Max AMP  Sullins Sullins  In I	Yes
R9         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         Yes           R10         Short         Resistor, Power 1W, 1%,         612         WSK06121L000F         Vishay         No		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PC36SAAN	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke Inductor, Power choke Inductor, Power choke SMT Inductor, Power choke	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x 1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x 1.00 inch  0.125 x 1 inch  0.375 x 1.00 inch  0.303 x 0.276 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.507 x 1.00	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457  PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123 BSS123 STD	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST  Sullins  AMP Mill-Max Mill-Max AMP  Sullins Sullins  In I	Yes
R10 Short Resistor, Power 1W, 1%, 612 WSK06121L000F Vishay No		113	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/Smohm 2.2uH/Smohm 2.2uH/Smohm CSD97376CQ4M BSS83P BSS123 BSS123 1	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke SMT Inductor, Power choke SMT Inductor, Power choke SMT Inductor, Power choke SMT IC, Synchronous Buck NexFETPower Stage MOSFET, Poh, -60V, -0.33A, 2 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	4.2x15 mm  0.125 x 1 inch  0.125 x 1 inch  0.375 x1.00 inch  9.6x60 mm  0.27 x 0.25 inch  0.100 inch X2X8  0.375 x1.00 inch  0.125 x 1 inch  0.375 x1.00 inch  0.100 inch x 2  0.100 inch x 2  0.100 inch x 2  0.125 x 1 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.453 x 0.394 inch  0.303 x 0.276 inch  0.507 x 1.00 inch  QFN  QFN  SOT23  SOT23  SOT23  SOT23  GO3  GO3  GO3	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457  PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC04PALP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123 BSS123 STD STD	Phoenix Contact  Mill-Max  Mill-Max  AMP  Phoenix Contact  OST  Sullins  AMP  Mill-Max  Mill-Max  Mill-Max  AMP  Sullins  Sullins  Toko  T	Yes
		J13  J14  J15  J18  J19  J20  J21  J22  J23  J24  J25  J26  J30  J31  J45  J46  J50  L1  L1A  L2  L2A  Q1  Q2  Q27  Q30  Q32  R3  R6  R8	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN ES52-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm CSD97376CQ4M BSS83P BSS123 BSS123 1 1 9.37k	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke Inductor, Power choke SMT IC, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage MOSFET, Nch, 100V, 0.17A, 6 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x 1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.100 inch x 2 0.100 inch x 2 0.100 inch x 2 0.1025 x 1 inch 0.453 x 0.394 inch 0.303 x 0.276 inch 0.453 x 0.394 inch 0.303 x 0.276 inch 0.453 x 0.394 inch 0.503 x 0.276 inch	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M 8SS83P 8S5123 BS5123 STD STD	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max Mill-Max AMP  AMP Sullins Sullins Sullins Toko Toko Toko Toko Toko Toko Toko Tok	Yes
IIII   Kesistor, Fower 1W, 1%,		J13 J14 J15 J18 J19 J20 J21 J22 J23 J24 J25 J26 J30 J31 J45 J46 J50 L1 L1A L2 L2A Q1 Q2 Q27 Q30 Q32 R3 R6 R8 R9	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN PC2-04/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 8583P BSS123 BSS123 1 1 9.37k Short	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke SMT IC, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage MOSFET, Pch, -60V, -0.33A, 2 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Power 1W, 1%,	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch X2X8 0.375 x 1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.453 x 0.394 inch 0.453 x 0.394 inch 0.453 x 0.394 inch 0.303 x 0.276 inch 0.453 x 0.394 inch 0.303 x 0.276 inch 0.507 x 1.00 inch 0.503 x 0.394 inch 0.303 x 0.276 inch 0.507 x 1.00 inch 0.507	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457  PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN FULL 1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M BSS83P BSS123 BSS123 STD STD STD STD STD	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST Sullins AMP Mill-Max Mill-Max AMP  Mill-Max AMP  AMP Sullins Sullins Toko Toko Toko Toko Toko Toko Toko Tok	Yes
		J13  J14  J15  J18  J19  J20  J21  J22  J23  J24  J25  J26  J30  J31  J45  J46  J50  L1  L1A  L2  L2A  Q1  Q2  Q27  Q30  Q32  R3  R6  R8  R9  R10	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED1514  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 PTC36SAAN PTC36SAAN PTC36SAAN PTC36SAAN 8952-0-05-80-00-00-03-0 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 2.2uH/5mohm 1.2uH/5mohm 2.3uH/5mohm 2.3uH/5mohm 3.3uH/5mohm 3.uH/5mohm 3.uH/	Header, Single pin Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, ATX 2x12 Vertical with Mounting Pegs Terminal Block, 2-pin, 6-A, 3.5mm  Header, Male 2x8 pin, 100mil spacing  LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Single pin LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Male 2-pin, 100mil spacing, (36-pin strip) Header, Single pin Inductor, Power choke SMT IC, Synchronous Buck NexFETPower Stage IC, Synchronous Buck NexFETPower Stage MOSFET, Pch, -60V, -0.33A, 2 Ohm MOSFET, Nch, 100V, 0.17A, 6 Ohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Power 1W, 1%,	4.2x15 mm 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 9.6x60 mm 0.27 x 0.25 inch 0.100 inch x 2x8 0.375 x 1.00 inch 0.125 x 1 inch 0.125 x 1 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.125 x 1 inch 0.375 x 1.00 inch 0.101 inch x 2 0.102 inch x 2 0.103 inch x 2 0.103 inch x 2 0.125 x 1 inch 0.375 x 1.00 inch 0.575 x 1	39299042 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 442060007 ED555/2DS  PEC08DAAN  33457 8952-0-05-80-00-00-03-0 8952-0-05-80-00-00-03-0 33457 33457 PEC02SAAN PEC02SAAN PEC02SAAN PEC02SAAN 8952-0-05-80-00-00-03-0 FDUE1040D-R 36M ETQP4LP15AFM FDUE1040D-R 36M ETQP4LP15AFM CSD97376CQ4M CSD97376CQ4M 8S883P BSS123 BSS123 BSS123 STD STD STD STD WSK06121L000F	Phoenix Contact Mill-Max Mill-Max AMP Phoenix Contact OST  Sullins  AMP Mill-Max Mill-Max AMP  Sullins Sullins  Sullins  Toko Toko Toko Toko Toko Toko Toko To	Yes

	,	T			1		
	R13	6.34k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R14	2.94Meg	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R15	100k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R16	Open	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R18	88.89k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R20 R22	1.89Meg 0	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5%	603 603	STD STD	STD STD	Yes Yes
	R23	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	No
	R24	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	Yes
	R26	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	No
	R28	10k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R29	3.74k	Resistor, Chip, 1/16W, 5%	603	STD	STD	Yes
	R36	100k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R40	2.2	Resistor, Chip, 1/16W, 5%	603	STD	STD	Yes
	R41	2.3	Resistor, Chip, 1/16W, 5%	603	STD	STD	No
	R45	150k	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R47	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R48	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R49	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R50	30.1k	Resistor, Chip, 1/16W, 5%	603	STD STD	Vishay	Yes
	R51 R55	30.1k 2.37k	Resistor, Chip, 1/16W, 5%	603 603	STD	Vishay STD	Yes No
	R56	0	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R57	0	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R58	10	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R59	0	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R60	15.28k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R61	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R62	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R63	2.96k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R64	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R65	10	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R68	2.37k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R69	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R70	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R71	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R72	15.28k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R73	1k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R74	1k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R75	2.96k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R76	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R77	12k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R89	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	Yes
	R90 R106	1 15.0K	Resistor, Chip, 1/10W, 5%	805 603	STD STD	STD STD	Yes
	R108	15.0K 51K	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R116	1k	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes Yes
	R117	100	Resistor, Chip, 1/16W, 1%	603	STD	ve 1	V
	R118	3.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R119	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R120	330	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R123	1.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R124	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R125	1	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R126	1.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R128	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R130	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R132	2.0K	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R134	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
1	R137	0	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
		<u> </u>					Yes
	R142	10k	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	
	R142 R152	10k 126k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603	STD Std	STD	Yes
	R142 R152 R156	10k 126k 10	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5%	603 603 603	STD Std STD	STD Vishay	Yes Yes
	R142 R152 R156 R163	10k 126k 10	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603	STD Std STD STD	STD Vishay Vishay	Yes Yes Yes
	R142 R152 R156 R163 R171	10k 126k 10 10k 100k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603 603 603 603 603	STD Std STD STD Std	STD Vishay Vishay STD	Yes Yes Yes
	R142 R152 R156 R163 R171 R186	10k 126k 10 10k 100k 150k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603	STD Std STD STD Std STD Std	STD Vishay Vishay STD STD	Yes Yes Yes Yes
	R142 R152 R156 R163 R171 R186 R192	10k 126k 10 10k 100k 150k 39k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603	STD Std STD STD Std STD Std STD STD	STD Vishay Vishay STD STD STD	Yes Yes Yes Yes Yes Yes Yes
	R142 R152 R156 R163 R171 R186 R192	10k 126k 10 10k 100k 150k 39k 39k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD	Yes Yes Yes Yes Yes Yes Yes Yes Yes
	R142 R152 R156 R163 R171 R186 R192 R199	10k 126k 10 10k 100k 150k 39k 39k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD STD Vishay	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220	10k 126k 10 10k 100k 150k 39k 39k 10k 100.0K	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199	10k 126k 10 10k 100k 150k 39k 39k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD STD Vishay	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228	10k 126k 10 10k 100k 150k 39k 10k 100.0K 3.0k	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD STD STD STD STD Vishay STD Vishay STD Vishay	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R219 R220 R228 R229	10k 126k 10 10k 100k 150k 39k 39k 10k 100.0K 3.0k 1Meg	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD STD STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R220 R228 R229 R234 R235 R236	10k 126k 10 10k 100k 150k 39k 39k 10k 100.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K 1.00.0K	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD  ST	STD Vishay Vishay STD STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R220 R228 R229 R234 R235 R236 R237	10k 126k 10 10k 100k 150k 39k 39k 10k 100.0K 3.0k 1Meg 100 56	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD  ST	STD Vishay Vishay STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228 R229 R228 R229 R234 R235 R236 R237 R238	10k 126k 10 10k 100k 150k 39k 39k 10k 100.0K 3.0k 1Meg 100 56 100 0	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228 R229 R234 R235 R236 R237 R238 R239	10k 126k 10 10k 10ok 150k 39k 39k 10k 100.0K 3.0k 1Meg 100 0 100	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R219 R220 R228 R229 R234 R235 R237 R238 R239 R240	10k 126k 10 10k 100k 150k 39k 10k 100.0K 3.0k 1Meg 100 0 100 100	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	STD	STD Vishay Vishay STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228 R229 R234 R235 R236 R237 R238 R239 R240 R254	10k 126k 10 10k 100k 150k 39k 39k 100 100.0K 3.0k 1Meg 100 56 100 0 100 100 56 1Meg	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603	\$TD	STD Vishay Vishay STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228 R229 R234 R235 R236 R236 R237 R238 R239 R240 R254 R255	10k 126k 10 10k 100k 150k 39k 39k 100 100.0K 3.0k 1Meg 100 56 100 0 100 100 56 1Meg 1Meg	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603 603 603	\$TD	STD Vishay Vishay STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes
	R142 R152 R156 R163 R171 R186 R192 R199 R219 R220 R228 R229 R234 R235 R236 R237 R238 R239 R240 R254	10k 126k 10 10k 100k 150k 39k 39k 100 100.0K 3.0k 1Meg 100 56 100 0 100 100 56 1Meg	Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 5% Resistor, Chip, 1/16W, 1%	603 603 603 603 603 603 603 603	\$TD	STD Vishay Vishay STD STD STD STD STD Vishay STD Vishay STD Vishay STD Vishay STD Vishay STD	Yes

	ı	R269	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
		R270	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
		R271	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	-	R273	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
		RT3	10k	NTC Thermistor, 1%	603	STD	Murata	Yes
		RT4	10k	NTC Thermistor, 1%	603	STD	Murata	Yes
		RT7	10k	NTC Thermistor, 0603	603	STD	Murata	Yes
		S1	EG1218A	Switch, SPDT, Slide, PC-mount,	0.457 x 0.157 inch	EG1218A	E Switch	Yes
		S2	EG1218A	Switch, SPDT, Slide, PC-mount,	0.457 x 0.157 inch	EG1218A	E Switch	Yes
		SH1	SHORT	Short Jumper	0.437 X 0.137 IIICII	EGIZIOA	E_SWITCH	Yes
		SH2	SHORT	Short Jumper				Yes
				·				
		SH3	SHORT	Short Jumper				Yes
		SH4	SHORT	Short Jumper				Yes
		SH7	SHORT	Short Jumper				Yes
		SH8	SHORT	Short Jumper				Yes
		TP1	VBAT	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
	-	TP2	VREF	Test Point, O.032 Hole		5002	Keystone	Yes
		TP3	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	Yes
		TP4	V5A	Test Point, O.032 Hole		5002	Keystone	Yes
	-	TP7	SLEWA	Test Point, O.032 Hole		5002	Keystone	Yes
		TP8	5V_OVS	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
	-	TP9	CSW2	Test Point, O.032 Hole		5002	Keystone	Yes
	-	TP10	CSW1	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP11	VCORE	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
	-	TP13	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	Yes
		TP14	5V_DRV	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
	-	TP15	DROOP	Test Point, O.032 Hole		5002	Keystone	Yes
		TP17	VCCIO	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
		TP19	VIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
	-	TP20	1.2V	Test Point, Red, Thru Hole Color Keyed		5000	Keystone	Yes
	-	TP22	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	Yes
	-	TP23	F-IMAX	Test Point, O.032 Hole		5002	Keystone	Yes
	-	TP24	VDD	Test Point, O.032 Hole		5002	Keystone	Yes
	-	TP35	PWM1	Test Point, 0.032 Hole		5002	Keystone	Yes
	-	TP36	PWM2	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP37	SKIP#	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP42	OCP-I	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP44	O-USR	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP51	CSP2	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP52		,		5002	·	Yes
		TP56	CSN2 CSP1	Test Point, 0.032 Hole		5002	Keystone	Yes
		TP57		Test Point, 0.032 Hole			Keystone	
	-		CSN1	Test Point, 0.032 Hole	0.400 0.400	5002	Keystone	Yes
		TP64	AGND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	Yes
		TP65	131-4244-00	Adaptor, 3.5-mm probe clip ( or 131-5031-00)	0.200 inch	131-4244-00	Tektronix	Yes
		TP68	5V_Q	Test Point, Red, Thru Hole Color Keyed		5000	Keystone	Yes
		TP71	5V_CON	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	Yes
		TP72	3.3V	Test Point, Red, Thru Hole Color Keyed		5000	Keystone	Yes
ļ		TP78	VR ON	Test Point, O.032 Hole	1	5002	Keystone	Yes
			_				1	
	-	TP79	CPGOOD	Test Point, O.032 Hole		5002	Keystone	Yes
	-	TP79 TP84	CPGOOD \VR_HOT	Test Point, O.032 Hole Test Point, O.032 Hole		5002 5002	Keystone Keystone	Yes
	-	TP79 TP84 TP86	CPGOOD \VR_HOT THERM	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole		5002		Yes Yes
	-	TP79 TP84 TP86 TP87	CPGOOD \VR_HOT	Test Point, O.032 Hole Test Point, O.032 Hole		5002 5002	Keystone	Yes Yes Yes
	-	TP79 TP84 TP86	CPGOOD \VR_HOT THERM	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole		5002 5002 5002	Keystone Keystone	Yes Yes
	- - -	TP79 TP84 TP86 TP87	CPGOOD \VR_HOT THERM COMP	Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed		5002 5002 5002 5002	Keystone Keystone Keystone	Yes Yes Yes
	-	TP79 TP84 TP86 TP87 TP125 TP126	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN	Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+TM Step-Down Controller for	0.100 x 0.100 inch 0.100 x 0.100 inch	5002 5002 5002 5002 5001 5000	Keystone Keystone Keystone Keystone Keystone	Yes Yes Yes Yes Yes
	-	TP79 TP84 TP86 TP87 TP125 TP126	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625	Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU	0.100 x 0.100 inch 0.100 x 0.100 inch QFN	5002 5002 5002 5002 5001 5000 TPSS3625RSM	Keystone Keystone Keystone Keystone Keystone TI	Yes Yes Yes Yes Yes Yes Yes
	-	TP79 TP84 TP86 TP87 TP125 TP126 U1 U2	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625  TPS7A8001DRB	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula	0.100 x 0.100 inch 0.100 x 0.100 inch QFN DRB-8	5002 5002 5002 5002 5001 5000 TPS53625RSM TPS7A8001DRB	Keystone Keystone Keystone Keystone Keystone TI TI	Yes Yes Yes Yes Yes Yes Yes Yes
	-	TP79 TP84 TP86 TP87 TP125 TP126 U1 U2	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625  TPS7A8001DRB  TPS70102PWP	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula IC, Dual Low DropOut Regulator, 500-mA and 250-mA Out	0.100 x 0.100 inch 0.100 x 0.100 inch QFN DRB-8 PWP20	5002 5002 5002 5002 5001 5000 TPS53625RSM TPS7A8001DRB TPS70102PWP	Keystone Keystone Keystone Keystone Keystone Ti Ti Ti	Yes
	-	TP79 TP84 TP86 TP87 TP125 TP126 U1 U2 U4	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625  TPS7A8001DRB  TPS70102PWP  TLV3404IPW	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula	0.100 x 0.100 inch 0.100 x 0.100 inch QFN DRB-8 PWP20 PW14	5002 5002 5002 5002 5001 5000 TPS53625RSM TPS7A8001DRB	Keystone Keystone Keystone Keystone Keystone Ti Ti Ti Ti	Yes Yes Yes Yes Yes Yes Yes Yes
		TP79 TP84 TP86 TP87 TP125 TP126 U1 U2 U4 U9	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625  TPS7A8001DRB  TPS70102PWP  TLV3404IPW  rPGA947-HSW	Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula IC, Dual Low DropOut Regulator, 500-mA and 250-mA Out IC, Nano Power, Open Output Comparators Socket, CPU	0.100 x 0.100 inch 0.100 x 0.100 inch QFN DRB-8 PWP20 PW14 BGA-989	5002 5002 5002 5002 5001 5000 TPS53625RSM TPS7A8001DRB TPS70102PWP TLV3404IPW rPGA947-HSW	Keystone Keystone Keystone Keystone Keystone TI TI TI TI FOXCONN	Yes
		TP79 TP84 TP86 TP87 TP125 TP126 U1 U2 U4	CPGOOD  \VR_HOT  THERM  COMP  GND  5VIN  TPS53625  TPS7A8001DRB  TPS70102PWP  TLV3404IPW	Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, O.032 Hole Test Point, Black, Thru Hole Color Keyed Test Point, Black, Thru Hole Color Keyed Test Point, Red, Thru Hole Color Keyed IC, 2-phase, D-CAP+ TM Step-Down Controller for VR12.6VCPU IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula IC, Dual Low DropOut Regulator, 500-mA and 250-mA Out IC, Nano Power, Open Output Comparators	0.100 x 0.100 inch 0.100 x 0.100 inch QFN DRB-8 PWP20 PW14 BGA-989	5002 5002 5002 5002 5001 5000 TPS53625RSM TPS7A8001DRB TPS70102PWP TLV3404IPW	Keystone Keystone Keystone Keystone Keystone Ti Ti Ti Ti	Yes

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