

Bill of Materials

TI DESIGNS

TIDA-00667 Freescale i.MX6 Power Reference Design for EPOS Applications

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
1	1	C30	0.1uF	CAP CER 0.1UF 10V 10% X5R 0402	Murata	GRM155R61A104KA01D
2	2	C28-29	12pF	CAP CER 12PF 50V 5% NP0 0402	Murata	GRM1535C1H120JDD5D
3	9	C1 to 9	2.2uF	CAP CER 2.2UF 6.3V 20% X5R 0402D	Taiyo Yuden	JMK105BJ225MV-F
4	1	C13	330pF	CAP CER 330PF 50V 10% X7R 0402	Yageo	CC0402KRX7R9BB331
5	7	C22 to C26 C32 C33	4.7uF	CAP CER 4.7UF 6.3V 10% X5R 0402	TDK	C1005X5R0J475K050BC
6	1	C15	22uF	CAP CER 22UF 6.3V 20% X5R 0603	Murata	GRM188R60J226MEA0
7	6	C16 to C20	10uF	CAP CER 10UF 6.3V 10% X5R 0603	TDK	C1608X5R0J106K080AB
8	1	C21	1uF	CAP CER 1UF 10V 10% X5R 0603	TDK	C1608X5R1A105K080AC
9	2	C12 C31	0.1uF	CAP CER 0.1UF 25V 10% X7R 0805	TDK	CGJ4J2X7R1E104K125AA
10	2	C10 - C11	10uF	CAP CER 10UF 25V 10% X5R 0805	TDK	C2012X5R1E106K085AC
11	1	C27	0.2fF	CAP SUPER 0.2F 3.3V COIN SMDr, Electric Double Layer. DO NOT INSTALL	Panasonic	EECEN0F204AK
12	1	C14	330uF	CAP ALUM 330UF 2V 20% SMD ESR 9mohm	Panasonic	EEF-SX0D331R
13	1	J29		Connector, Male Right Angle 2x5 pin, 100mil spacing, 4 Wall	3M	2510-5002UB
14	1	Y1	32.768kHz	CRYSTAL 32.768KHZ 12.5PF SMD	EPSON	FC-135 32.7680KA-A3
15	10	J10 to J12 J19 J28 J34 J36 to J39		CONN HEADER .100 SINGL STR 1POS	Sullins	PEC01SAAN
16	10	J1 to J9 J35		CONN HEADER .100 SINGL STR 2POS	Sullins	PEC02SAAN
17	11	J20-21 J26 J27 J30 to 32 J40 to J43		CONN HEADER .100 SINGL STR 3POS	Sullins	PEC03SAAN
18	9	J13 J14 J16 to J18 J22 to J25		TERMINAL BLOCK 3.5MM 4POS PCB	On Shore Technology Inc	ED555/4DS
19	1	J33		CONN HEADER .100 DUAL STR 18POS	Sullins	PEC09DAAN
20	3	L2 to L4	2.2uH	INDUCTOR POWER 2.2UH 2.6A SMD	TDK	VLCF5020T-2R2N2R6-3

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21	1	L1	2.2uH	INDUCTOR, PWR, 2.2UH, 10A, 20%,30MHZ Farnell Part # XAL6030-222MEC	COILCRAFT	XAL6030-222MEC
22	8	R1 R2 R4 R5 R17 to R20	0	RES 0.0 OHM 1/10W JUMP 0402 SMD	Panasonic	ERJ-2GE0R00X
23	1	R3	39k	RES 39K OHM 1/10W 5% 0402 SMD	Panasonic	ERJ-2GEJ393X
24	4	R21 to R24	1.2k	RES 1.2K OHM 1/10W 5% 0603 SMD	Panasonic	ERJ-3GEYJ122V
25	11	R6-16	10k	Resistor 10K , 1/10W , 5% , 0603,	Panasonic	ERJ-3GEYJ103V
26	1	S1		SWITCH TACTILE SPST-NO 0.02A 15V	Panasonic	EVQ-PLHA15
27	1	U2		IC, Integrated Power Management Unit Top Specification	Texas Instruments	TPS65911XZRC
28	4	Q3 to Q6	470uF	MOSFET N-CH 50V 220MA SOT-23	Fairchild Semiconductor	BSS138
29	1	U1	68uF	IC REG LDO 1.8V 0.15A SOT23-5	Texas Instruments	TPS76318DBVT
30	2	Q1-Q2		MOSFET N-CH 30V 20A 8-PQFN	Fairchild Semiconductor	FDMC7660

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