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## PMP9463 Xilinx Ultrascale Kintex MGT BOM

	Designator	Description	Manufacturer	PartNumber	Quantity
CC1, C2, C3, C37, C49, C589, C59, F50, F50, F50, F50, F50, F50, F50, F50		<u> </u>			
C12, C15, C30, C37, C40, C53, C56, C58 C59 C59, C54, C57, C57, C59, C59, C57, C59, C59, C57, C67, C68, C68, C68, C68, C68, C68, C68, C68				1	10
(230, C37, C49, C58, C56, C59, C56, C59, C56, C59, C59, C59, C59, C59, C59, C59, C59					
C40, C53, C56, C59 C3 CAP, CERM, 270pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H221KA01D 1 C4, C32 CAP, CERM, 470ppF, 28V, +/-10%, X7R, 0402 MuRata GRM155R71H221KA01D 2 C5, C27, C33, C33, C67, C6RM, 1uF, 10V, +/-10%, X5R, 0402 MuRata GRM155R61A105KE15D 9 C6, C7, C8, C67, C68 C6, C7, C8, CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206 MuRata GRM31CR61C226ME15L 6 C34, C355, C36 C6, C7, C8, CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H661JA01D 2 C16, C41 CAP, T3, 330µF, 27V, +/-20%, 0030 shm, SMD Pansonic EEF-GX05031R 2 C60 C19, C20, CAP, CERM, 100µF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C60 C19, C20, CAP, CERM, 100µF, 63V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C31, C44, C45, C48 C25, C48 CAP, CERM, 100µF, 50V, +/-10%, X7R, 0402 MuRata GRM32ER60J107ME20L 6 C31, C49, CERM, 100µF, 50V, +/-10%, X7R, 0402 MuRata GRM32ER60J107ME20L 6 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM32ER60J107ME20L 6 C55 CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM188R71E472KA01D 2 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM188R71E472KA01D 2 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM188R71E472KA01D 1 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM188R71E472KA01D 1 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM188R71E472KA01D 1 C31, CAP, CERM, 100µF, 25V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10W, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10W, X7R, 0402 MuRata GRM158R71H102KA01D 1 C31, CAP, CERM, 100µF, 10V, +/-10W, X7R, 0402 MuRata GRM158R6120L20L20L20L20L20L20L20L20L20L20L20L20L2					
C36 C39 CAP. CERM. 220pF, 50V, +/-10%, X7R, 0402 MuRata GRM15SR71H221KA01D 1 C4, C32 CAP, CERM. 4700pF, 28V, +/-10%, X7R, 0402 MuRata GRM15SR71E472KA01D 2 C5, C27, CAP, CERM. 1uF, 10V, +/-10%, X5R, 0402 MuRata GRM15SR61A105KE15D 9 C6, C7, C8, C34, C35, C36, C34, C35, C36, C34, C35, C36, C34, C37, C38, C36, C34, C35, C36, C34, C37, C38, C36, C34, C35, C36, C34, C37, C38, C36, C34, C37, C38, C36, C34, C37, C38, C38, C38, C38, C38, C38, C38, C38					
C4, G32 CAP, CERM, 220pF, 50V, V-10%, X7R, 0402 MuRata GRM155R71H221KA01D 1 2 CS, C27, C30, C33, C35, C37, C69, C584, C67, C69, C582, C67, C69, C582, C67, C69, C582, C67, C69, C582, C684, C67, C69, C582, C684, C67, C69, C582, C684, C67, C69, C682, C684, C687, C689, C682, C682, C687, C689, C682, C682					
C4, C32 CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0402 MuRata GRM155R71E47ZKA01D 2 C5, C27, CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402 MuRata GRM155R61A105KE15D 9 C6, C7, C8, CAP, CERM, 2uF, 16V, +/-20%, X5R, 1206 MuRata GRM31CR61C226ME15L 6 C34, C35, C36, C36, C36, C37, C38, CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C16, C41 CAP, CAP, CERM, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 330uF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H30J10D 3 C60 C19, C20, CAP, CERM, 330uF, 2V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C19, C20, CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C26, C48 CAP, CERM, 100uF, 50V, +/-10%, X7R, 0402 MuRata GRM32ER60J107ME20L 6 C26, C49 CAP, CERM, 470pF, 25V, +/-10%, X7R, 0603 MuRata GRM158R71E47ZKA01D 2 C26, C49 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805 MuRata GRM18BR71E47ZKA01D 1 C56 CAP, CERM, 22uF, 10V, +/-5%, C0G/NP0, 0402 MuRata GRM18BR71E47ZKA01D 1 C57 CAP, CERM, 22uF, 10V, +/-5%, C0G/NP0, 0402 MuRata GRM18BR71E47ZKA01D 1 C58 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM18BR71E47ZKA01D 1 C58 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM18BR71E47ZKA01D 1 C66 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM158R71H10ZKA01D 1 C67 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H10ZKA01D 1 C68 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM158R71H12ZKA01D 1 C69 CAP,		CAP CERM 220pF 50V +/-10% X7R 0402	MuRata	GRM155R71H221KA01D	1
CS, C27,   CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402   MuRata   GRM155R61A105KE15D   9   9   0   0   0   0   0   0   0   0					· ·
C29, C33, C67, C69 C6, C7, C6, CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206 MuRata GRM31CR61C226ME15L 6 C34, C35, C35 C36 C31, C38 CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H561JA01D 2 C18, C43 CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H561JA01D 3 C60 C19, C20, C4P, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM1555C1H331JA01D 3 C60 C19, C20, CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C25, C48 C26, C49 CAP, CERM, 100uF, 50V, +/-10%, X7R, 0402 MuRata GRM1558C7HH102KA01D 2 C31 CAP, CERM, 100uF, 50V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 2 C31 CAP, CERM, 100uF, 50V, +/-10%, X7R, 0803 MuRata GRM188R71E472KA01D 2 C31 CAP, CERM, 100uF, 50V, +/-10%, X7R, 0803 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 20VF, 10VF, 4/-20%, X5R, 0805 MuRata GRM188R61E104KA01D 1 C56 C3AP, CERM, 10VF, 10VF, 40VF, 4	-				
C50, C52, C54, C67, C69 C6, C7, C8, CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206 MuRata GRM31CR61C226ME15L 6 C34, C35, C36 C36 C37, C38, CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C16, C41 CAP, TA, 330uF, 2V, +/-20%, 0303 hm, MMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 30pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C60 C19, C20, CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C25, C48 CAP, CERM, 100uF, 6.3V, +/-10%, X7R, 0402 MuRata GRM155R71H102KA01D 2 C31 CAP, CERM, 100uF, 59V, +/-10%, X7R, 0403 MuRata GRM158R71E472KA01D 2 C31 CAP, CERM, 07, -10%, X5R, 0603 MuRata GRM158R71E472KA01D 1 C55 CAP, CERM, 22uF, 10V, -/-20%, X5R, 0805 MuRata GRM158R71E472KA01D 1 C55 CAP, CERM, 22uF, 10V, -/-20%, X5R, 0805 MuRata GRM158R71E472KA01D 1 C55 CAP, CERM, 27uF, 50V, -/-50%, C0G/NP0, 0402 MuRata GRM158R71E472KA01D 1 C55 CAP, CERM, 100uF, 50V, -/-10%, X7R, 0402 MuRata GRM158R71E4028ME44 1 C55 CAP, CERM, 100uF, 50V, -/-10%, X7R, 0402 MuRata GRM158R71E472KA01D 1 C58 CAP, CERM, 100uF, 50V, -/-10%, X7R, 0402 MuRata GRM158R71E472KA01D 1 C58 CAP, CERM, 100uF, 60V, -/-10%, X7R, 0402 MuRata GRM158R71E472KA01D 1 D1			- Mariata	Gram reer to 17 treer to 18	
C54, C67, C8, CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206 MuRata GRM1555C1H470JA01D 2 C16, C34, C35, C36 C33, C38, CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C16, C41 C39, CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C16, C41 CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C60 C19, C20, C4P, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C21, C44, C45, C46 C25, C48 CAP, CERM, 100upF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H102KA01D 2 C26, C49 CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603 MuRata GRM188R71E472KA01D 2 C31 CAP, CERM, 01uF, 25V, +/-10%, X5R, 0603 MuRata GRM188R71E472KA01D 1 C31 CAP, CERM, 22pF, 10V, +/-20%, X5R, 0805 MuRata GRM18BR61E104KA01D 1 C55 CAP, CERM, 22pF, 10V, +/-20%, X5R, 0805 MuRata GRM18BR61E104KA01D 1 C57 CAP, CERM, 22pF, 10V, +/-20%, X5R, 0805 MuRata GRM18BR61E104KA01D 1 C58 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM1585R72A471KA01D 1 C61, C62 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM1585R72A471KA01D 1 C61, C62 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM1587R2A471KA01D 1 C61, C62 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM1587R2A471KA01D 1 C61, C62 CAP, CERM, 150pPF, 50V, +/-10%, X7R, 0402 MuRata GRM1587R2A471KA01D 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode, Schottky, 30V, 02A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Dlode,					
C69   CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206   MuRata   GRM31CR61C226ME15L   6   C34, C35, C36   C36, C37, C38, C36   C37, C38, C38   CAP, CERM, 47pF, 50V, +/-5%, COG/NPO, 0402   MuRata   GRM1555C1H3651JA01D   2   C14, C39   CAP, CERM, 560pF, 50V, +/-5%, COG/NPO, 0402   MuRata   GRM1555C1H3651JA01D   2   C16, C41   CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD   Panasonic   EEF-GX00331R   2   C18, C43, CAP, CERM, 330pF, 50V, +/-5%, COG/NPO, 0402   MuRata   GRM1555C1H331JA01D   3   C60   C19, C20, C41, C44, C46   C45, C46   C45, C46   C45, C46   C45, C46   C45, C46   C46, C46   C46, C47, C47, C47, C47, C47, C47, C47, C47					
C6, C7, C8, C34, C35, C36, C34, C35, C36         CAP, CERM, 47pF, 50V, +/-50%, C0G/NP0, 0402         MuRata         GRM31CR61C226ME15L         6           C34, C35, C36         C3, C36, C36, C37, C2RM, 47pF, 50V, +/-50%, C0G/NP0, 0402         MuRata         GRM1555C1H470JA01D         2           C14, C39, CAP, CERM, 560pF, 50V, +/-50%, C0G/NP0, 0402         MuRata         GRM1555C1H33JA01D         2           C16, C41         CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD         Panasonic         EEF-GX0D331R         2           C18, C43, CAP, CERM, 300pF, 50V, +/-50%, C0G/NP0, 0.402         MuRata         GRM1555C1H33JA01D         3           C60         C19, C20, C42, C24A, C45, C46         CAP, CERM, 1000pF, 50V, +/-50%, X5R, 1210         MuRata         GRM32ER60J107ME20L         6           C25, C48         CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0402         MuRata         GRM189R71E472KA01D         2           C31         CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603         MuRata         GRM189R61E104KA01D         1           C31         CAP, CERM, 22VF, 10V, +/-20%, X5R, 0603         MuRata         GRM189R61A226ME44         1           C55         CAP, CERM, 470pF, 10V, +/-20%, X5R, 0805         MuRata         GRM15SF72H322MA01D         1           C58         CAP, CERM, 470pF, 10V, +/-20%, X5R, 1000         MURata         GRM15SF72H322KA01D         1 <td>· ·</td> <td></td> <td></td> <td></td> <td></td>	· ·				
C38, C38, C38, C38, C38, CAP, CERM, 47pF, 50V, +/-5%, COG/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, COG/NP0, 0402 MuRata GRM1555C1H561JA01D 2 C16, C41 CAP, TA, 330pF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EF-GX0D331R 2 C18, C43, CAP, CERM, 330pF, 50V, +/-5%, COG/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C80 C19, C20, CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C21, C44, C45, C46 C25, C48 CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402 MuRata GRM1587E1H102KA01D 2 C26, C49 CAP, CERM, 100uF, 25V, +/-10%, X7R, 0603 MuRata GRM188R61E104KA01D 1 C35 CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 27uF, 50V, +/-5%, COG/NP0, 0402 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 27uF, 50V, +/-5%, COG/NP0, 0402 MuRata GRM188R61E104KA01D 1 C56 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 0402 MuRata GRM155C1H270JA01D 1 C68, C62 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 0402 MuRata GRM15872A471KA01D 1 C68, C62 CAP, CERM, 47uF, 6.3V, +/-10%, X7R, 0402 MuRata GRM15SC1H270JA01D 1 C68, C62 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C65 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C66 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C66 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C66 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C67 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C68 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C69 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C69 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C69 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C69 CAP, CERM, 150upF, 50V, +/-10%, X7R, 0402 MuRata GRM35ER60J476ME20L 2 C69 CAP, CERM, 150upF, 50V, +/-10%,		CAP CERM 22uF 16V +/-20% X5R 1206	MuRata	GRM31CR61C226MF15I	6
C38 C38 CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H561JA01D 2 C16, C41 CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-GX0D331R 2 C80 CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C80 CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM1556C1H331JA01D 3 C80 CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C21, C44, C45, C46 CAP, CERM, 100opF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H102KA01D 2 C25, C48 CAP, CERM, 470opF, 25V, +/-10%, X5R, 0603 MuRata GRM188R71E472KA01D 2 C31 CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0803 MuRata GRM188R71E472KA01D 1 C55 CAP, CERM, 22UF, 10V, +/-20%, X5R, 0805 MuRata GRM158F21AVKA01D 1 C58 CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM155F21H270JA01D 1 C58 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM155F21H270JA01D 1 C61, C62 CAP, CERM, 47UF, 6.3V, +/-20%, X5R, 1210 MuRata GRM155F21H270JA01D 1 C61, C62 CAP, CERM, 47UF, 6.3V, +/-20%, X5R, 1210 MuRata GRM155F21H270JA01D 1 C66 CAP, CERM, 47UF, 6.3V, +/-10%, X7R, 0402 MuRata GRM155F21H12EKA01D 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 820H, Vishay-Dale CRCW04023K92FKED 2 R8, R82, RES, 3.92k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210R0JNED 3 R8, R80 R8, R81 R8, R85, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210K9FKED 4 R8, R83 R85, R85, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K9FKED 2 R8, R83, RES, 21.5k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04021K9FKED 2 R8, R83, RES, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04021K9FKED 2 R8, R83, R85, R85, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04021K9FKED 2 R8, R83, R85, R85, R85, R85, R85, R85, R85, R85		57 tr , 52 tt tt, 22 tr , 10 v , 17 20 70, 70 tt , 12 00	Martata	Grand Forto Fozzonie Foz	Ü
C13, C38 CAP, CERM, 47pF, 50V, +/-5%, COG/NPO, 0402 MuRata GRM/1555C11H470JA01D 2 C14, C39 CAP, CERM, 560pF, 50V, +/-5%, COG/NPO, 0402 MuRata GRM/1555C11H50JA01D 2 C16, C41 CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-CX00331R 2 C18, C43, CAP, CERM, 330pF, 50V, +/-5%, COG/NPO, 0402 MuRata GRM/1555C1H331JA01D 3 C60 C19, C20, CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM/155C1H331JA01D 6 C25, C48 CAP, CERM, 100opF, 50V, +/-10%, X7R, 0402 MuRata GRM/155R71H10ZKA01D 2 C26, C49 CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603 MuRata GRM/188R71E47ZKA01D 1 C25 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805 MuRata GRM/188R71E47ZKA01D 1 C55 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805 MuRata GRM/188R61E104KA01D 1 C55 CAP, CERM, 27pF, 50V, +/-50%, X5R, 1210 MuRata GRM/155C1H270JA01D 1 C58 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM/155C1H270JA01D 1 C61, C62 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM/15SR72A471KA01D 1 C61, C62 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H12ZKA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H12ZKA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H12ZKA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C67 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C68 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM/15SR71H15ZKA01D 1 C69 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRat					
C16, C41 CAP, CERM, 580pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H561JA01D 2 C18, C43, CAP, CAP, TA, 330uF, 2V, +/-20%, 0.003 ohm, SMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM155C1H331JA01D 3 C80 MuRata GRM155C1H331JA01D 3 GRM155C1H331JA01D 3 GRM155C1H331JA01D 3 GRM155C1H331JA01D 3 GRM155C1H331JA01D 3 GRM155C1H331JA01D 3 GRM15C1H331JA01D 3 GRM15C1H331JA01D3 GRM15C1H331JA01D3 GRM15C1H3D31JA01D3 GRM15C1H3D3JA01D3 GRM15C1H3D31JA01D3 GRM15C1H3D31JA01D3 GRM15C1H3D31JA01D3 G		CAP CERM 47nF 50V +/-5% C0G/NP0 0402	MuRata	GRM1555C1H470JA01D	2
C18, C41 CAP, TA, 330µF, 2V, +/-20%, 0.03 ohm, SMD Panasonic EEF-GX0D331R 2 C18, C43, CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C80 C19, C20, CAP, CERM, 100µF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J107ME20L 6 C21, C44, C46 C45, C46 C25, C48 CAP, CERM, 1000µF, 50V, +/-10%, X7R, 0402 MuRata GRM158R71H102KA01D 2 C26, C49 CAP, CERM, 4700µF, 25V, +/-10%, X5R, 0603 MuRata GRM188R71E472KA01D 2 C31 CAP, CERM, 22µF, 10V, +/-20%, X5R, 0805 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 22µF, 10V, +/-5%, C0G/NP0, 0402 MuRata GRM155C1H270JA01D 1 C57 CAP, CERM, 27µF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM155C1H270JA01D 1 C58 CAP, CERM, 470µF, 100V, +/-10%, X7R, 0402 MuRata GRM155C1H270JA01D 1 C61, C62 CAP, CERM, 470µF, 100V, +/-10%, X7R, 0402 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 1200µF, 50V, +/-10%, X7R, 0402 MuRata GRM32ER60J476ME20L 2 C66 CAP, CERM, 1200µF, 50V, +/-10%, X7R, 0402 MuRata GRM35E7H1122KA01D 1 C66 CAP, CERM, 1200µF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 D1 Dlode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 J1 Connector, Powerstrip F, 8 pin Samtec BSE-040-01-L-0-A 1 L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD Vishay-Dale RES-040-01-L-0-A 1 L3, R2, R2, R2, R2, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210R0JNED 3 R4, R2, R5, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210R0JNED 3 R8, R33, RES, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210R0JNED 3 R8, R34, R85, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210R0JNED 3 R8, R33, R8S, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210K0JNED 3 R8, R34, R85, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW040210K0JNED 3 R8, R33, RES, 51 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210K0JNED 3 R8, R33, R8S, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW040210K0JNED 3 R8, R33, R8S, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW040210K0JNED 3 R8, R33, R8S, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW04021NED 3 R8, R34, R8S, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW04021K5F		, , , , , , , , , , , , , , , , , , , ,			
C18, C43, CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H331JA01D 3 C60 C21, C44, C45, C46 C21, C44, C45, C46 C25, C48 CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H102KA01D 2 C26, C49 CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603 MuRata GRM188R71E472KA01D 2 C31 CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603 MuRata GRM188R71E472KA01D 1 C55 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 27uF, 50V, +/-10%, X7R, 0402 MuRata GRM155872A471KA01D 1 C55 CAP, CERM, 27uF, 50V, +/-10%, X7R, 0402 MuRata GRM155872A471KA01D 1 C55 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM155872A471KA01D 1 C61, C62 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 0402 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155871H122KA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155871H122KA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155871H122KA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155871H152KA01D 1 D1 D10de, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 D10de, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 D10de, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 820H, Vishay-Dale HLP2525CZERR82M01 2 13A, 0.0067 ohm, SMD Vishay-Dale GRCW040218VSPEKED 2 R8, R28, R28, R28, 100 k ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R50 R8, R28, R28, 100 k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R50 R8, R30, R52 R8, R34, R28, R28, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R81 R83, R28, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R86 R83, R34, R28, R28, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R81 R83, R28, R28, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R81, R38, R38, R28, 10.0k ohm, 0.1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R81, R38, R34, R28, R34, R35, R34, R36, R34,					
C60	•				
C19, C20, C4P, CERM, 100uF, 6.3V, +/-20%, X5R, 1210		O/N , OENN, OOOPI , OOV, 17 070, OOO/N 0, 0402	Markata	CHAIN TOOLS THOU TO TO	
C21, C44, C45, C46 C45, C48 C4P, CERM, 1000pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H102KA01D C26, C49 CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0603 MuRata GRM21BR61A226ME44 1 C57 CAP, CERM, 27pF, 50V, +/-5%, C0G/MP0, 0402 MuRata GRM155SC1H270JA01D 1 C658 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM155R72A471KA01D 1 C61, C62 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM155R72A471KA01D 1 C66, C62 CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R72A471KA01D 1 C66 CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 D1 Dlode, Schotity, 30V, 0.2A, S0D-323 ON Semiconductor BAT54H1T1G 1 J1 Connector, F, 80 pin, SMT, Vertical Header, 8 mm pitch J3A, 0.0067 ohm, SMD  L3 Inductor, Shielded Drum Core, Powdered Iron, 820H, 13A, 0.0067 ohm, SMD  L3 Inductor, Shielded Drum Core, Powdered Iron, 820H, 13A, 0.0067 ohm, SMD  R1, R2 R8, R3, R28, R5, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210K0FKED  R5, R6, R5, R6, R5, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210K0FKED  R6, R10, R35, RES, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040221K5FKED  CRCW040221K5FKED CRCW04025R10JNED SR56		CAP CERM 100uE 6.3V +/-20% X5R 1210	MuRata	GRM32FR60.I107MF20I	6
C45, C46         C25, C48         CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H102KA01D         2           C26, C49         CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603         MuRata         GRM188R71E472KA01D         2           C31         CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603         MuRata         GRM188R61E104KA01D         1           C55         CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805         MuRata         GRM21BR61A226ME44         1           C57         CAP, CERM, 27pF, 50V, +/-10%, X5R, 0402         MuRata         GRM155R712A71KA01D         1           C58         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C61, C62         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM32ER860J476ME20L         2           C65         CAP, CERM, 470pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         MPS-08-7,70-01-L-V         1           L1, L2 <td< td=""><td></td><td>07ti, OEITIN, 100di , 0.0 v, 17 20 70, 70tt, 12 10</td><td>Markata</td><td>Grandzer (600 for ME20E</td><td></td></td<>		07ti, OEITIN, 100di , 0.0 v, 17 20 70, 70tt, 12 10	Markata	Grandzer (600 for ME20E	
C25, C48         CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H102KA01D         2           C26, C49         CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603         MuRata         GRM188R71E47ZKA01D         1           C31         CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603         MuRata         GRM188R61E104KA01D         1           C55         CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805         MuRata         GRM18B761E104KA01D         1           C57         CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0402         MuRata         GRM155SC1H270JA01D         1           C58         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C61, C62         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C65         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           J1         Connector, Doorstity, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, Fowerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Ir					
C26, C49         CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0603         MuRata         GRM188R71E472KA01D         2           C31         CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603         MuRata         GRM188R61E104KA01D         1           C55         CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805         MuRata         GRM188R61E104KA01D         1           C57         CAP, CERM, 27pF, 50V, +/-5%, C0G/NPO, 0402         MuRata         GRM1585C1H270JA01D         1           C58         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C61         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C65         CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820H, 13A, 0.0067 ohm, SMD         Wishay-Dale         IHLP2525CZERR82M01         2           L3 <td< td=""><td>•</td><td>CAP CERM 1000pF 50V +/-10% X7R 0402</td><td>MuRata</td><td>GRM155R71H102KA01D</td><td>2</td></td<>	•	CAP CERM 1000pF 50V +/-10% X7R 0402	MuRata	GRM155R71H102KA01D	2
C31 CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603 MuRata GRM188R61E104KA01D 1 C55 CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805 MuRata GRM218R61A226ME44 1 C57 CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0402 MuRata GRM1555C1H270JA01D 1 C58 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM15572A471KA01D 1 C61, C62 CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 D1 Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch Samtec BSE-040-01-L-D-A 1 D1 L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD Wurth Elektronik eiSos 74437324082 1 D1 Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD Wurth Elektronik eiSos 74437324082 1 D1 R1, R2 RES, 3.92k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R50 RES, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R51 R5, R6, R6, R5, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 4 R5, R6, R6, R5, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R33 RES, 21.5k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R34 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R37 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R37 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R37 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R37 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R38, RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 2 R8, R37 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04021K5FKED 3 R8, R38, RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04025R5IDJNED 3 R8, R39, RES, 10.0k ohm, 0.1%, 0.16003 Susumu Co Ltd RG1608P-103-B-T5 4					
C55         CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805         MuRata         GRM21BR61A226ME44         1           C57         CAP, CERM, 27pF, 50V, +/-5%, C0G/NPO, 0402         MuRata         GRM1555C1H270J0A1D         1           C58         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C61, C62         CAP, CERM, 470pF, 100V, +/-20%, X5R, 1210         MuRata         GRM32ER60J476ME20L         2           C65         CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           D1         Diode, Schotitky, 30V, 0.2A, SOD-323         MuRata         GRM155R71H122KA01D         1           D1         Diode, Schotitky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         MPS-08-7.70-01-L-V         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820H, 13A, 0.063 V, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, RES, 10 ohm, 5%, 0.063W, 0402	•				
C57         CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0402         MuRata         GRM1555C1H270JA01D         1           C58         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM155R72A471KA01D         1           C61, C62         CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402         MuRata         GRM32ER60J476ME20L         2           C65         CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820H, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 16A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
C58 CAP, CERM, 470pF, 100V, +/-10%, X7R, 0402 MuRata GRM155R72A471KA01D 1 C61, C62 CAP, CERM, 470pF, 6.3V, +/-20%, X5R, 1210 MuRata GRM32ER60J476ME20L 2 C65 CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 C66 CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402 MuRata GRM155R71H122KA01D 1 D1 Diode, Schottky, 30V, 0.2A, SOD-323 ON Semiconductor BAT54HT1G 1 J1 Connector, F, 80 pin, SMT, Vertical Header, 8 mm pitch Samtec BSE-040-01-L-D-A 1  L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD L3 Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD  R1, R2 RES, 3.92k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04023K92FKED 2 R3, R28, R50 RES, 10 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210RJNED 3 R4, R29, R51 R5, R6, RES, 10.0k ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW040210KJNED 3 R5, R6, R6, R6, R5, R6, R6, R83 RES, 21.5k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040221K5FKED 2 R9, R34, R56 R10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040221K5FKED 2 R9, R34, R56 R8, R53, RES, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW040221K5FKED 2 R9, R34, R56 RES, 5.1 ohm, 5%, 0.063W, 0402 Vishay-Dale CRCW04025R10JNED 3 R10, R35, RES, 10.0k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04025R10JNED 3 R50 R8, R33 RES, 21.5k ohm, 1%, 0.063W, 0402 Vishay-Dale CRCW04025R10JNED 3 R61, R36, R65, R65, R65, R65, R65, R65, R65, R6					
C61, C62         CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210         MuRata         GRM32ER60J476ME20L         2           C65         CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 16A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, R50         RES, 10 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210KJNED         3           R5, R6, R6, R6, R7, R6, R8S, 10.0k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040221K5FKED         2 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
C65         CAP, CERM, 1200pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H122KA01D         1           C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, R5         RES, 10 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210KJNED         3           R5, R6, R6, R6, R6, R7         RES, 10.0k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040210K0FKED         4           R9, R34, R56         R8, R33         RES, 21.5k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040221K5FKED					
C66         CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402         MuRata         GRM155R71H152KA01D         1           D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, R50         RES, 10 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210RJNED         3           R4, R29, R51         RES, 10.0k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040210K0FKED         4           R8, R33         RES, 21.5k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040221K5FKED         2           R9, R34, R56         RS, 5.1 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW04025R10JNED         3           <					
D1         Diode, Schottky, 30V, 0.2A, SOD-323         ON Semiconductor         BAT54HT1G         1           J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, R59         RES, 10 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210RJNED         3           R51         RES, 10.0k ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210K0FKED         4           R5, R6, R30, R52         R8, R33         RES, 21.5k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040221K5FKED         2           R9, R34, R56         RES, 5.1 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW04025R10JNED         3           R50         R8, R33, RES, 10.0k ohm, 0.1%, 0.1W, 0603         Susumu Co Ltd         RG1608P-103-B-T5         4 <td></td> <td></td> <td></td> <td></td> <td></td>					
J1         Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch         Samtec         BSE-040-01-L-D-A         1           J2         Connector, Powerstrip F, 8 pin         Samtec         MPS-08-7.70-01-L-V         1           L1, L2         Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD         Vishay-Dale         IHLP2525CZERR82M01         2           L3         Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD         Wurth Elektronik eiSos         74437324082         1           R1, R2         RES, 3.92k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04023K92FKED         2           R3, R28, R5, 10 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210R0JNED         3           R4, R29, R51         RES, 100k ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW040210K0FKED         4           R5, R6, R30, R52         R8, R33         RES, 10.0k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW04021K5FKED         2           R9, R34, R58         RES, 5.1 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW04025R10JNED         3           R56         R8, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603         Susumu Co Ltd         RG1608P-103-B-T5         4					
J2 Connector, Powerstrip F, 8 pin       Samtec       MPS-08-7.70-01-L-V       1         L1, L2 Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD       Vishay-Dale       IHLP2525CZERR82M01       2         L3 Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD       Wurth Elektronik eiSos       74437324082       1         R1, R2 RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R5, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R8, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33 RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R6S, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R56       R10. R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4					
L1, L2       Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD       Vishay-Dale       IHLP2525CZERR82M01       2         L3       Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD       Wurth Elektronik eiSos       74437324082       1         R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4	0.	Production of the production o		552 515 51 2 5 71	·
L1, L2       Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD       Vishay-Dale       IHLP2525CZERR82M01       2         L3       Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD       Wurth Elektronik eiSos       74437324082       1         R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4	J2	Connector, Powerstrip F. 8 pin	Samtec	MPS-08-7.70-01-L-V	1
L3       Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD       Wurth Elektronik eiSos       74437324082       1         R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R50       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R51       R5, R6, R5, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R5, R6, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4					
L3       Inductor, Shielded Drum Core, Powdered Iron, 8.2uH, 1.6A, 0.158 ohm, SMD       Wurth Elektronik eiSos       74437324082       1         R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R50       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4			1.0.1.2, 2.0.10		_
1.6A, 0.158 ohm, SMD       1.6A, 0.158 ohm, SMD       CRCW04023K92FKED       2         R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R4, R29, R51       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R5, R6, R30, R52       R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4	L3		Wurth Elektronik eiSos	74437324082	1
R1, R2       RES, 3.92k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW04023K92FKED       2         R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4			Transi Elektronik elece	1 1 10 102 1002	·
R3, R28, R50       RES, 10 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW040210R0JNED       3         R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4	R1. R2		Vishav-Dale	CRCW04023K92FKFD	2
R50       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4					
R4, R29, R51       RES, 100k ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW0402100KJNED       3         R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4		,,,	10112, 2010		
R51         R5, R6, R5, R6, R5, R6, R30, R52         RES, 10.0k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040210K0FKED         4           R8, R33         RES, 21.5k ohm, 1%, 0.063W, 0402         Vishay-Dale         CRCW040221K5FKED         2           R9, R34, R56         RES, 5.1 ohm, 5%, 0.063W, 0402         Vishay-Dale         CRCW04025R10JNED         3           R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603         Susumu Co Ltd         RG1608P-103-B-T5         4		RES. 100k ohm. 5%, 0.063W, 0402	Vishav-Dale	CRCW0402100KJNFD	3
R5, R6, R30, R52       RES, 10.0k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040210K0FKED       4         R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4			,		_
R30, R52       R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4		RES. 10.0k ohm. 1%. 0.063W. 0402	Vishav-Dale	CRCW040210K0FKFD	4
R8, R33       RES, 21.5k ohm, 1%, 0.063W, 0402       Vishay-Dale       CRCW040221K5FKED       2         R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4		-,,,,			.
R9, R34, R56       RES, 5.1 ohm, 5%, 0.063W, 0402       Vishay-Dale       CRCW04025R10JNED       3         R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603       Susumu Co Ltd       RG1608P-103-B-T5       4	· ·	RES. 21.5k ohm. 1%. 0.063W. 0402	Vishav-Dale	CRCW040221K5FKFD	2
R56 R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603 Susumu Co Ltd RG1608P-103-B-T5 4			ž		
R10, R35, RES, 10.0k ohm, 0.1%, 0.1W, 0603 Susumu Co Ltd RG1608P-103-B-T5 4	1	-, >,			
		RES. 10.0k ohm. 0.1%, 0.1W. 0603	Susumu Co Ltd	RG1608P-103-B-T5	4

Designator	Description	Manufacturer	PartNumber	Quantity
	RES, 0.33 ohm, 1%, 0.25W, 1206	Panasonic	ERJ-8RQFR33V	2
	RES, 866 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402866RFKED	1
	RES, 100 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402100RFKED	6
R38, R40,	, , ,			
R60, R62				
R14	RES, 15.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-153-B-T5	1
R17	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R18, R42,	RES, 36.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040236K5FKED	4
R49, R53				
R19, R43,	RES, 54.9k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040254K9FKED	3
R48				
R20, R44,	RES, 84.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040284K5FKED	3
R47				
R21, R45,	RES, 130k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402130KFKED	3
R46				
	RES, 100k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603100KJNEA	3
R24				
R25, R64,	RES, 10k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW040210K0JNED	3
R65				
	RES, 0 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04020000Z0ED	1
R31	RES, 15.4k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040215K4FKED	1
R37	RES, 825 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402825RFKED	1
R55	RES, 28.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040228K0FKED	1
R58	RES, 1.00 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031R00FKEA	1
R59	RES, 619 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402619RFKED	1
R61	RES, 4.99k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-4991-B-T5	1
TP1, TP2,	Test Point, Miniature, SMT	Keystone	5015	12
TP3, TP4,				
TP5, TP6,				
TP7, TP8,				
TP9, TP10,				
TP11, TP12	11 01100 T		7. 055500	
	LinCMOS Timer, D0008A	Texas Instruments	TLC555CD	1
U2, U6, U9	3.0-V TO 20-V PMBus SYNCHRONOUS BUCK	Texas Instruments	TPS40400RHL	3
110 117 1140	CONTROLLER, RHL0024A	Tarras Irrator (	0000000000	
U3, U7, U10	MOSFET, N/P-CH, 25V, 20A, 3.4x1.4x3.4mm	Texas Instruments	CSD86330Q3D	3
U4, U8	IC, Dual, 14 Ohms SP4T Analog Switch	TI	TS3A5017RGY	2
U5	Power Sequencer, 6-pin SOT-23	National Semiconductor		1

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