Filename: BOM-PMP9775.xls

PMOLED Display Power Supply with TPS61046

Designator	Description	Manufacturer	PartNumber	Quantity
C1, C5	CAP, CERM, 2.2 μF, 10 V, +/- 10%, X5R, 0603	MuRata	GRM188R61A225KE34D	2
C2, C6, C8	CAP, CERM, 10 μF, 25 V, +/- 20%, X5R, 0603	MuRata	GRM188R61E106MA73	3
C3	CAP, CERM, 0.1 μF, 6.3 V, +/- 10%, X7R, 0603	MuRata	GRM188R70J104KA01D	1
C4	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0603	MuRata	GRM188R61H102KA01D	1
J1, J2, J3,	Header, 100mil, 2x1, Gold, TH	Samtec	TSW-102-07-G-S	4
J4				
J5	Header, 100mil, 7x1, Gold, TH	Samtec	TSW-107-07-G-S	1
L1	Inductor, Shielded, Ferrite, 10 µH, 1 A, 0.4 ohm, SMD	Toko	1239AS-H-100M	1
R1	RES, 0, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08050000Z0EA	1
R2	RES, 825 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603825KFKEA	1
R3	RES, 1.0 M, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06031M00JNEA	1
R4, R6, R8	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603100KFKEA	3
R5	RES, 71.5 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-0771K5L	1
R9	RES, 910 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-07910KL	1
R10, R11	RES, 10.5 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K5FKEA	2
U1	28-V Output Voltage Boost Converter, YFF0006AAAA	Texas Instruments	TPS61046YFF	1
U2	128*32 Pixels PMOLED Display	VGM128032A5W01	Visionox	1
U3	MIXED SIGNAL MICROCONTROLLER, D0008A	Texas Instruments	MSP430G2230QDREP	1

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