

Bipolar TFT LCD Source and Gate- Driver Supply - PMP9780

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1,C2	2	4.7 μ F	Capacitor, 10V, Ceramic, X7R, 10%	0805	C2012X7R1A475K125AB	TDK
C10, C27	2	10 nF	Capacitor, 25V, Ceramic, X7R, 10%	0402	C1005X7R1E103K050BA	TDK
C11	1	4.7 nF	Capacitor, 50V, Ceramic, X7R, 10%	0402	C1005X7R1H472K050BA	TDK
C17, C19, C2	3	1 μ F	Capacitor, 50V, Ceramic, X7R, 10%	0805	C2012X7R1H105K125AE	TDK
C24, C25, C26	6	not installed	Capacitor, 50V, Ceramic, X7R, 10%	1206	C3216X7R1H475K160AB	TDK
C3	1	100 nF	Capacitor, 10V, Ceramic, X7R, 10%	0402	C1005X7R1C104K050BC	TDK
C4,C5, C6, C7	13	4.7 μ F	Capacitor, 50V, Ceramic, X7R, 10%	1206	C3216X7R1H475K160AB	TDK
C8, C12	2	10 pF	Capacitor, 50V, Ceramic, C0G, 10%	0402	C1005C0G1H100D050BA	TDK
C9	1	220 nF	Capacitor, 25V, Ceramic, X7R, 10%	0402	C1005X7R1E224K050BB	TDK
D1, D2	2		Diode, Schottky, 1 A, 20 V	POWERMITE	MBRM120ET1G	On Semi
D3, D4, D5	3	BAT54S	Schottky Diodes	SOT23-3	BAT54S	Fairchild Semiconductor
JP4,JP5,JP6	4		Header, 3 Pin, 100-mil spacing	0.100 x 3	PTC36SAAN	Sullins
L1,L2	2	4.7 μ H	Inductor, SMT, 1.8 A, 0.4 Ω	0.248 x 0.248	B82462G4472M	TDK
N10V_NR, P	4		PCB test point	1.32 mm	20-313145	Vero
Q1	1		PNP Transistor, MMBT3906	SOT23-BEC	MMBT3906LT1G	On Semi
R1	1	100 Ω	Resistor, Chip, 1%	0402	Std	Std
R10	1	17.4 k Ω	Resistor, Chip, 1%	0402	Std	Std
R11	1	133 k Ω	Resistor, Chip, 1%	0402	Std	Std
R13	1	137 k Ω	Resistor, Chip, 1%	0402	Std	Std
R14	1	11.5 k Ω	Resistor, Chip, 1%	0402	Std	Std
R2	1	680 k Ω	Resistor, Chip, 1%	0402	Std	Std
R3	1	162 k Ω	Resistor, Chip, 1%	0402	Std	Std
R4	1	158 k Ω	Resistor, Chip, 1%	0402	Std	Std
R5	1	820 k Ω	Resistor, Chip, 1%	0402	Std	Std
R6, R7, R8	3	2.2 Ω	Resistor, Chip, 1%	0805	Std	Std
R9, R12	2	2 k Ω	Resistor, Chip, 1%	0402	Std	Std
R15, R16	2	10 k Ω	Resistor, Chip, 1%	0402	Std	Std
Shunt applic	8	Shunt	Shunt Jumper	0.100 x 2	SNT-100-BK-T-H	Samtec
T1	1		NPN Transistor, MMBT3904	SOT23-BEC	MMBT3904LT1G	On Semi
U1	1		IC DC/DC Converter	QFN24-4x4	TPS65131RGE	TI
U2, U3	2		Adjustable Shunt Regulator TLVH431A-Q1	DBZ_R-PDSO-G3	TLVH431ACDBZR	TI

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