

Verdin DSI to LVDS adapter V1.0B

Toradex AG

Description	Manufacturer	Manufacturer Part Number	Component Designators	Component Count
Capacitor Ceramic X7R 100nF 16V 10% 0402	Generic	X7R-100n-16V-10%-0402	C1, C6, C7, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C25, C27, C29, C31, C33, C35, C37, C38, C39, C40, C41, C42, C43, C44, C45	29
Capacitor Ceramic X7R 2.2nF 16V 10% 0402	Generic	X7R-2.2n-16V-10%-0402	C10	1
Capacitor Ceramic XNPO 47pF 5% 0402	Generic	NPO-47p-50V-5%-0402	C11	1
Capacitor Ceramic X5R 10uF 50V 20% 1210	Generic	X5R-10uF-50V-20%-1210	C2, C3, C8	3
Capacitor Ceramic X5R 10uF 6.3V 20% 0402	Generic	X5R-10u-6.3V-20%-0402	C23, C24	2
Capacitor Ceramic X7R 10nF 16V 10% 0402	Generic	X7R-10n-16V-10%-0402	C26, C28, C30, C32, C34, C36	6
Capacitor TA 100uF 20V 10% 7343 80mOhm	Generic	TA-100u-20V-10%-7343-80mOhm	C4, C5, C9	3
High Speed Ground Plane Socket	Samtec	QTH-030-02-L-D-A	X1	1
LVDS Connector	Hirose	DF13E-40DP-1.25V(76)	X2	1
FFC/FPC, 1 Sided Contact, 0.50mm Pitch, 10 pins	Hirose	FH12-10S-0.5SVA(54)	X3	1
D-Vishay-SS3P3-E3/84A-Schottky	Vishay	SS3P3-E3/84A	D1	1
Schottky 30V / 0.20A	ON Semiconductor	BAT54XV2T5G	D2	1
5.5A PWM STEP-UP DC-DC CONVERTER	Diodes Inc	PAM2423AECADJR	IC1	1
Voltage Level Translator for I2C Applications	ON Semi	FXMA2102L8X	IC2, IC4	2
	ST	M24C02-FMN6TP	IC3	1
Integrated Circuit	Texas Instruments	SN65DSI84TPAPRQ1	IC5	1
2-Bit Bidirectional Voltage-Level Translator With Auto Direction Sensing and +15-kV ESD Protection	Texas Instruments	TXS0102DCU	IC6, IC7	2
Inductance 15uH 3A 20%	Abracon LLC	ASPI-0630LR-150M-T15	L1	1
Power Supply FB 10A	Laird	35F0121-0SR-10	L2, L3	2
220R@100MHz 800mA EMI FILTER	Generic	220R@100MHz-800mA-25%-0402	L4	1
Steel Phillips Screws	Generic	Screw-Steel-M3x6mm-Philips	MECH10, MECH11, MECH12, MECH13	4
PCB Verdin DSI to LVDS Adapter V1.0.001	Generic	PCB Verdin DSI to LVDS Adapter V1.0.001	PCB1	1
Barcode Label	Generic	Barcode Label	LBL1	1
Resistor 47k 63mW 1% 0402	Generic	47K-63mW-1%-0402	R1, R3	2
Resistor 0 ohm 63mW 1% 0603	Generic	0R-63mW-1%-0603	R18, R32	2
Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R2, R6, R7, R8, R11, R12, R34, R35, R36	9
Resistor 10 Kohm 63mW 5% 0402	Generic	10K-63mW-5%-0402	R25, R26, R28, R29, R37	5
Resistor 5.6 Kohm 63mW 1% 0402	Generic	5.6K-63mW-1%-0402	R4	1
Resistor 4.7 Kohm 63mW 5% 0402	Generic	4.7K-63mW-5%-0402	R5, R9, R10, R13, R14, R21, R22, R23, R24	9

P-Channel MOSFET Enhancement Mode	Diodes Inc.	DMP2022LSS-13	T1, T3, T4	3
2x N-Channel MOSFET 20V	ON Semi	NTZD3154NT1G	T2, T5, T6	3