

Verdin DSI to HDMI Adapter V1.1A

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, C2, C7, C10, C12, C14, C16, C17, C20, C23, C26, C27, C28, C36, C39, C41	16
Capacitor Ceramic X5R 1uF 16V 20% 0402	Generic	X5R-1uF-16V-20%-0402	C3, C4	2
Capacitor Ceramic X7R 2.2nF 16V 10% 0402	Generic	X7R-2.2n-16V-10%-0402	C34	1
Capacitor Ceramic X7R 1nF 2KV 10% 1206	Generic	X7R-1nF-2KV-10%-1206	C42	1
Capacitor Ceramic X5R 10uF 6.3V 20% 0402	Generic	X5R-10u-6.3V-20%-0402	C5, C6, C9, C13, C18, C19, C22, C25, C35, C38	10
Capacitor Ceramic X7R 10nF 25V 10% 0402	Generic	X7R-10n-25V-10%-0402	C8, C11, C15, C21, C24, C29, C30, C31, C32, C33, C37, C40	12
HDMI Connector Right Angle Vertical THT	FCI	10029449-111RLF	X1	1
60 Position Connector, Self Mating, Non-Gendered, Surface Mount	Samtec	LSS-130-03-L-DV-A-K-TR	X2	1
Oscillator, Abracon ASDMB-25.000MHZ-LC-T, 2.50mm x 2.00mm	Abracon	ASDMB-25.000MHZ-LC-T	OSC1	1
Schottky Barrier Rectifier	ON Semiconductor	BAT54XV2T5G	D1, D2	2
ESD protection and signal conditioning for HDMI™ 2.0 source interface	ST Microelectronics	HDMI2C1-14HD	IC1	1
EEPROM, Serial I²C bus , SOIC-8, -40C to +85C	ST Microelectronics	M24C02-FMN6TP	IC2	1
MIPI/DSI Receiver with HDMI Transmitter	Lontium	LT8912B	IC3	1
Common Mode Choke High Speed 12R 100mA	Panasonic	EXC14CH120U	L1, L2, L3, L4	4
220R@100MHz 800mA EMI FILTER	Generic	220R@100MHz-800mA-25%-0402	L5, L6, L7, L8, L9, L10, L11, L12	8
LED green Lite-ON LTST-C190GKT	LiteON	LTST-C190GKT	LED1	1
LED red, Lite-On LTST-C190KRKT	LiteON	LTST-C190KRKT	LED2	1
Steel Pan Head Phillips Screws	Generic	Screw-Steel-M3x6mm-Philips	MECH11, MECH12, MECH13, MECH14	4
PCB Verdin DSI to HDMI Adapter	Generic	PCB Verdin DSI to HDMI Adapter V1.1.001	PCB1	1
Barcode Label	Generic	Barcode Label	LBL1	1
Resistor 4.7Kohm 63mW 5% 0402	Generic	4.7K-63mW-5%-0402	R11, R16, R17, R24	4
Resistor 10 Kohm 63mW 5% 0402	Generic	10K-63mW-5%-0402	R14	1
Resistor 0 ohm 63mW 1% 0603	Generic	0R-63mW-1%-0603	R15, R19	2
Resistor 6.04Kohm 63mW 1% 0402	Generic	6.04K-63mW-1%-0402	R20	1
Resistor 1 Mohm 250mW 5% 1206	Generic	1M-250mW-5%-1206	R23	1
Resistor 1.8 Kohm 63mW 5% 0402	Generic	1.8K-63mW-5%-0402	R3, R4, R26, R27, R28	5
Resistor 100 Kohm 63mW 5% 0402	Generic	100K-63mW-5%-0402	R5, R6, R10, R12, R13, R18	6
N- and P-Channel MOSFET 20V	ON Semi	NTZD3155CT1G	T1, T2	2
p-channel MOSFET, DMP2022LSS-13	Diodes Inc.	DMP2022LSS-13	T3	1
Dual N-Channel 20V (D-S) MOSFET	ON Semi	NTZD3154NT1G	T4, T5, T6	3
	Generic	No Physical Component	R7, R8, R9, R25, R1, R2, R21, R22	8