



Project DI/OT CPCI Serial Backplane
 Title **DI/OT CPCI-serial 9 Slot Backplane**
 EDA Number **EDA-04211-V1-1**
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 File EDA-04211-V1-1_pcb-mat.xls
 Date 07 September 2021

Rev.
 Drawn by W. Billereau
 EDMS URL <https://edms.cern.ch/item/EDA-04211-V1-1>

Ref	Qty	Scem	Description	Val&Device	Manufacturer	Part Number	Case
PCB	1		DI/OT CPCI-serial 9 Slot Backplane Printed Circuit Board (Bare)	EDA-04211-V1			320.04x128.5mm

Parts mounted on the PCB

BUSH1 > BUSH7	7		REDCUBE Press-Fit Bush With Threaded Hole M3 and Two Rows Pin-Plate WP-BUTR	M3	WURTH	7461057	
C1 > C12	12		±10% 16V X7R SMD Multilayer Chip Ceramic Capacitor	10nF	GENERIC	CC0402_10NF_16V_10%_X7R	0402
GUIDE9 > GUIDE17	9		PICMG CompactPCI Serial Backplane Guide Element		CERN	EDA-04126-V1-0	
J1, J5, J8, J9, J13, J17 J21, J36, J41, J45	10		72 Contacts, 2mm Pitch, 6 Columns, 4 Pairs per Column, Vertical Receptacle		AMPHENOL	10052829-101LF	
J2 > J4, J6, J7, J10 J12, J14, J16, J18, J20 J22, J23, J35, J37, J39 J42, J44, J46, J48	20		96 Contacts, 2mm Pitch, 8 Columns, 4 Pairs per Column, Vertical Receptacle		AMPHENOL	10052842-101LF	
J11, J15, J19, J34, J38 J40, J43, J47	8		96 Contacts, 2mm Pitch, 8 Columns, 4 Pairs per Column, 2 Walls Vertical Header		AMPHENOL	10114760-101LF	
J24	1		Multi-Beam LXE, 2LP+8S+2LP Positions Vertical Receptacle (Press-Fit)		TYCO ELECTRONICS	6450860-1	
J25, J26	2		16 Contacts, Pitch 2.54mm, Dual Row Straight SMT Shrouded IDC Ejector Header		SAMTEC	EJH-108-02-F-D-SM	
J27	1		4 Circuits, 2.54mm (.100") Pitch, SL Header, Single Row, Vertical, LCP, Shrouded, Surface Mount, Matte Tin (Sn) Plating		MOLEX	171973-0004	
R1 > R20	20		±1% 0.0625W ±100ppm/°C General Purpose Thick Film Chip Resistor	1k	GENERIC	R0402_1K_1%_0.0625W_100PPM	0402

Not Mounted

GUIDE1 > GUIDE8	8		PICMG CompactPCI Serial Backplane Guide Element		CERN	EDA-04126-V1-0	
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Dimensions: 320.04x128.5mm	Through Pins SMD pins on Top SMD pins on Bottom Total number of pins	3541 0 107 3648
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