SPZ 0.80mm PITCH PRODUCT SPECIFICATIONS

Revision: Rev 1
Marketing P/N: SPZ-CXXXLA (see table below)
Ref P/N: ZA8-XX-2-1.00-Z-10 (see table below)
Description: PCBeam™ Connector, 0.80mm x 0.80mm Pitch

REV	ECN	DESCRIPTION	DATE	UPDATED BY
1	N/A	Initial Release	10/13/2026	F. Hooper

NCX P/N	Ref Z-Ray® P/N	Number of Positions	Compression	No. of Rows	Length (mm)	Height (mm)
SPZ-C100LA	ZA8-10-2-1.00-Z-10	100	Dual	10	12.50	1.00
SPZ-C200LA	ZA8-20-2-1.00-Z-10	200	Dual	20	20.30	1.00
SPZ-c300LA	ZA8-30-2-1.00-Z-10	300	Dual	30	31.70	1.00
SPZ-C400LA	ZA8-40-2-1.00-Z-10	400	Dual	40	39.70	1.00

MECHANICAL

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
M1	Contact normal force	25g +/- 10g per position	
M2	Durability Cycles	25	

ELECTRICAL

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
E1	Avg. Resistance Per Position	< 50 mOhm	
E2	Current for 10 Positions	0.9 A/ pin	
E3	Insulation Resistance	200 MOhm	
E4	Dielectric Withstanding Voltage	300 V	
E5	20Ghz/ 40Gbps	<3db	

ENVIRONMENTAL

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
N1	Operating Temperature	-55°C to 105°C	Single cycle only above 85°C
N2	Storage Temperature	-55°C to 105°C	

MATERIALS

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
1	Insulator	Polyimide	
2	Contact Elements	Copper Alloy	
3	Core	FR4	
4	Contact Plating	6u in min Au over Ni	

OTHER ITEMS

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
1	ROHS Compliant per 2011/65/EU	Yes	
2	Packaging	Vacuform Tray	