SPZ 1.00mm PITCH PRODUCT SPECIFICATIONS

Revision: Rev 1
Marketing P/N: SPZ-DXXXLA (see table below)
Ref P/N: ZA1-XX-2-1.00-Z-10 (see table below)
Description: PCBeam™ Connector, 1.00mm x 1.00mm Pitch

REV	ECN	DESCRIPTION	DATE	UPDATED BY
1	N/A	Initial Release	9/10/2026	F. Hooper

NCX P/N	Ref Z-Ray® P/N	Number of Positions	Compression	No. of Rows	Length (mm)	Height (mm)
SPZ-D100LA	ZA1-10-2-1.00-Z-10	100	Dual	10	14.30	1.00
SPZ-D200LA	ZA1-20-2-1.00-Z-10	200	Dual	20	24.30	1.00
SPZ-D300LA	ZA1-30-2-1.00-Z-10	300	Dual	30	38.30	1.00
SPZ-D400LA	ZA1-40-2-1.00-Z-10	400	Dual	40	48.30	1.00

MECHANICAL

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
M1	Contact normal force	30g +/- 10g per position	
M2	Durability Cycles	25	

ELECTRICAL

ITEM	DESCRIPTION	REQUIREMENT	COMMENT
E1	Avg. Resistance Per Position	< 50 mOhm	
E2	Current for 10 Positions	1.0 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	