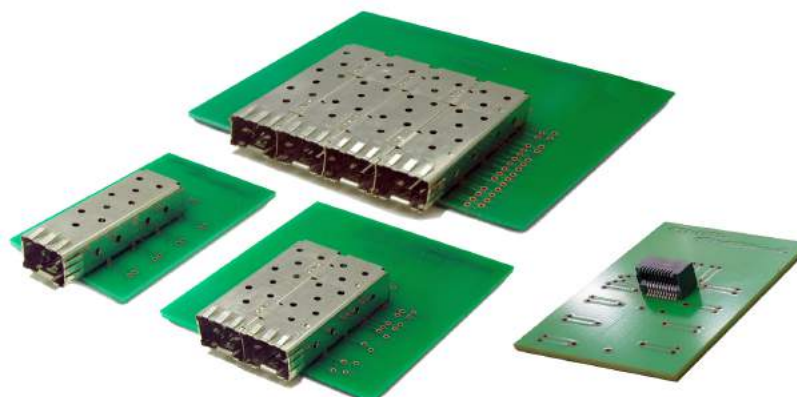


Small Form-factor Pluggable Connector

SPT Series

DDK Ltd.



OUTLINE

SPT series is a connector and cage which is compatible to Small Form-factor Pluggable(SFP/SFP+) specification of Multi-Source Agreement(MSA) for optical transceivers.

FEATURES

- 0.8mm pitch 20 pins SMT connector
- Excellent EMI shield
- Single port, 1by2 and 1by4 ganged cage styles are available.
(Mounting method: Press fit)
- Cage serves as a guide rail for transceivers.
- RoHS compliant

APPLICATIONS

Fiber Channel, Gigabit Ethernet, High-end Server

SPECIFICATION

Rated Voltage	120V AC(r.m.s.)
Rated Current	0.5A / Contact
Dielectric Withstand voltage	350V AC(r.m.s.) for 1 Minute
Insulation Resistance	100M Ω Min. at 250V DC
Contact Resistance	30m Ω Max.

MATERIAL/FINISH

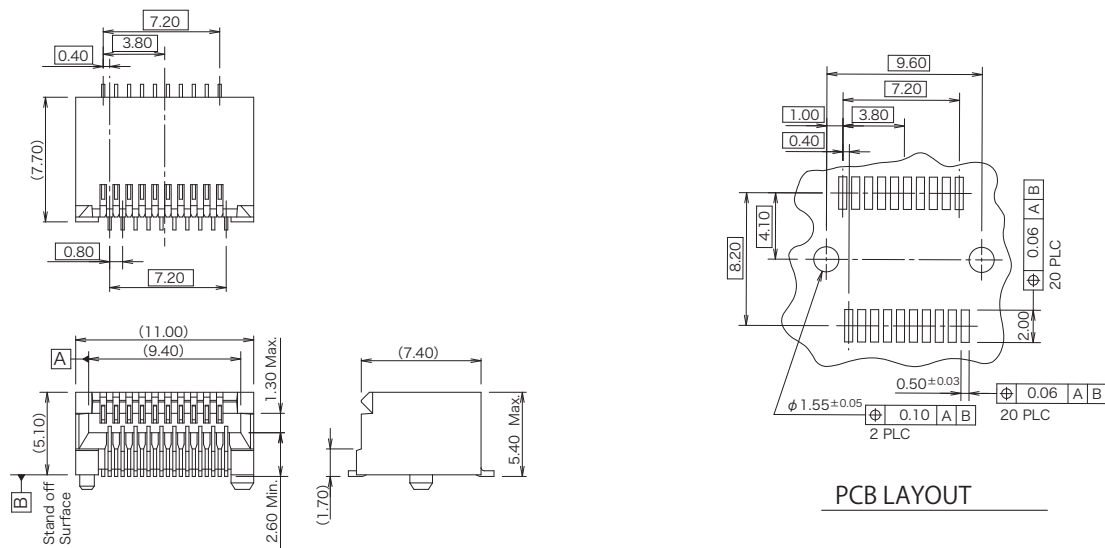


Item	Material / Finish
Contact	Copper Alloy / Contact area : Au over Ni Plating Tail area : Sn-Ag over Ni Plating
Housing	High Temperature Plastic / (UL-94V-0)
Cage	Copper Alloy / Sn-Reflow Plating

© Specifications and/or dimensions in this catalog are subject to change without notice.

Please verify the latest specifications with our drawings.

SPT-RSB20B-12-FA



Press Fit type

Technical drawing of the 'Korpus' (Body) of a machine, showing three views: front, side, and top. The drawing includes various dimensions and labels for the components.

Front View Dimensions:

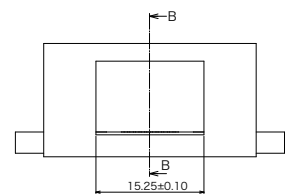
- Overall width: 48.92
- Overall height: 9.70
- Internal width (between mounting points): 14.00
- Internal height (between mounting points): 14.25
- Mounting points: 2-2.40, 2-3.00
- Internal width (between mounting points): 10.00, 10.00, 10.00, 10.00, 7.10
- Overall width (between mounting points): 41.50

Side View Dimensions:

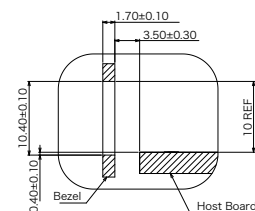
- Overall width: 14.00
- Overall height: 14.25
- Mounting points: 2-2.40, 2-3.00
- Internal width (between mounting points): 10.00, 10.00, 10.00, 10.00, 7.10
- Overall width (between mounting points): 41.50

Top View Dimensions:

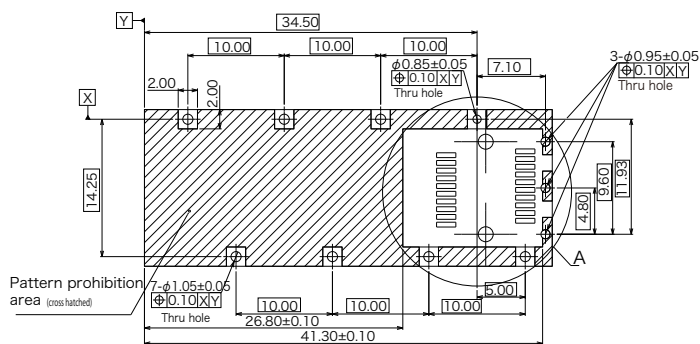
- Overall length: 30.00
- Overall width: 41.50
- Mounting points: 2-2.40, 2-3.00
- Internal width (between mounting points): 10.00, 10.00, 10.00, 10.00, 7.10
- Overall width (between mounting points): 41.50



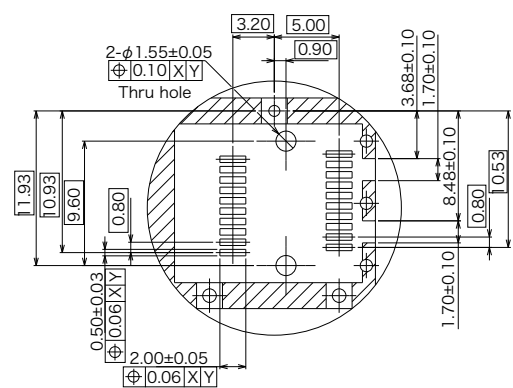
Recommended Bezel Design



Detail B-B



Recommended PCB Layout



Detail A

SPT-HANA-CAGE-2P-FS

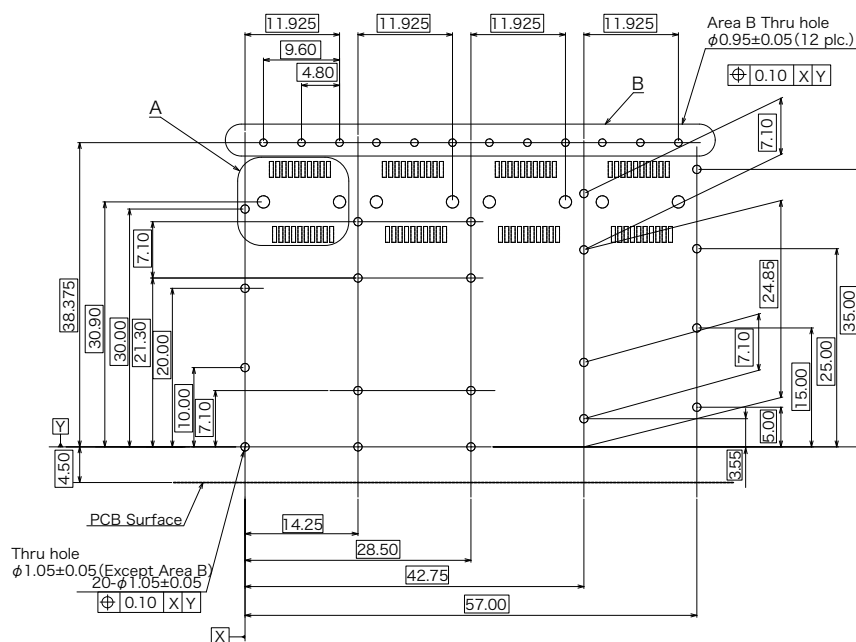
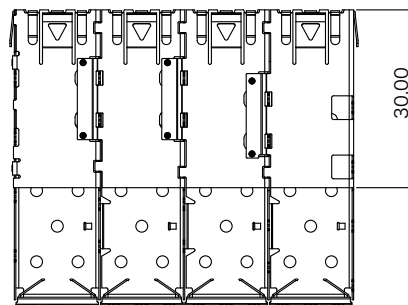
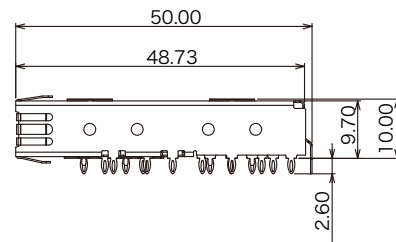
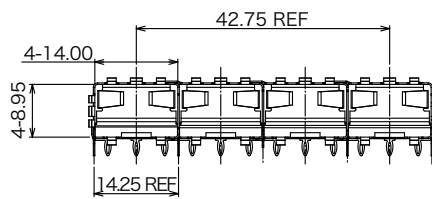
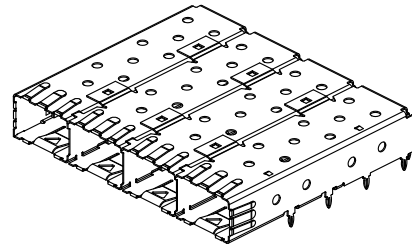
SFP+ Cage



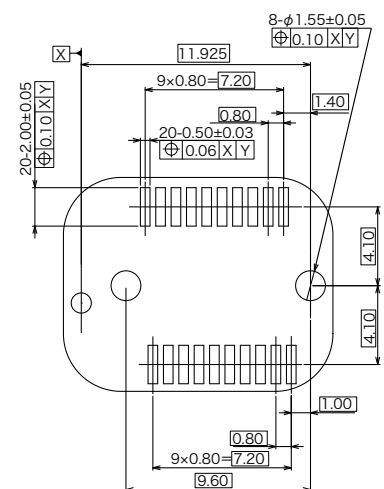
3

SPT-HANA-CAGE-4P-FS **Press Fit type**

Technical drawing of a wall section showing vertical dimensions: 40.30, 32.70, 16.30, and 8.70. The drawing includes structural details like reinforcement bars and wall thickness.



PCB Thickness : 1.60±0.19



Detail A