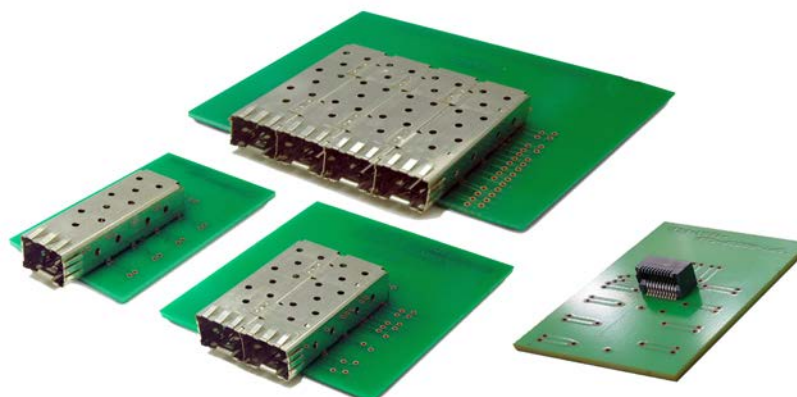


Small Form-factor Pluggable Connector

SPT Series



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

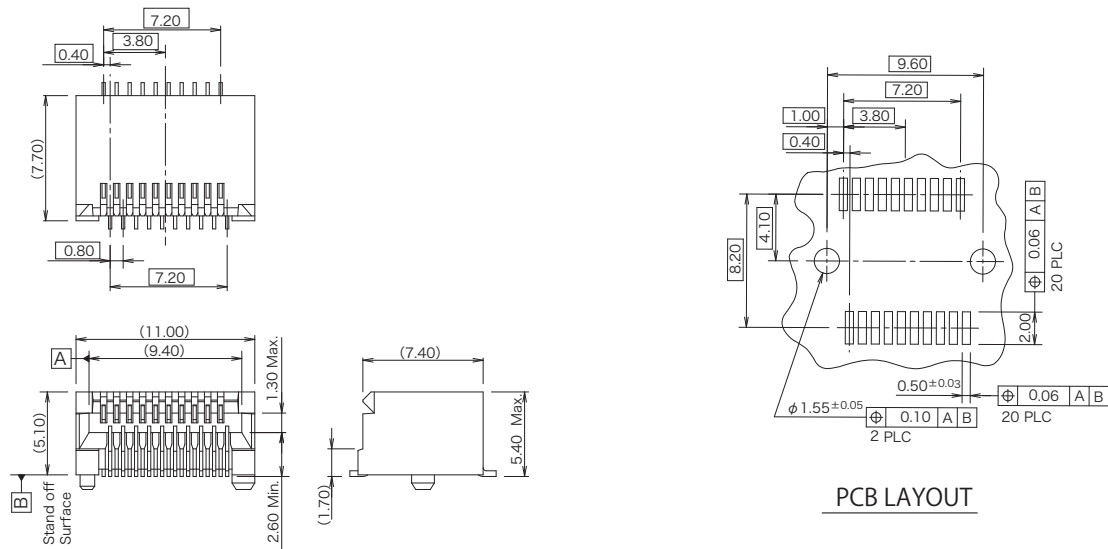


Item	Material / Finish
Contact	Copper Alloy / Contact area : Au over Ni Plating Tail area : Sn-Ag over Ni Plating
Housing	High Temperature Plastic / (UL-94V-0)
Cage	Copper Alloy / Sn-Reflow Plating

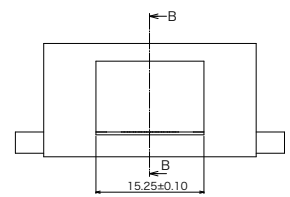
© Specifications and/or dimensions in this catalog are subject to change without notice.

Please verify the latest specifications with our drawings.

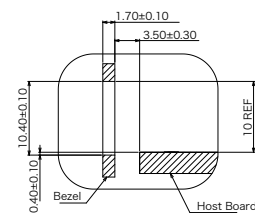
SPT-RSB20B-12-FA



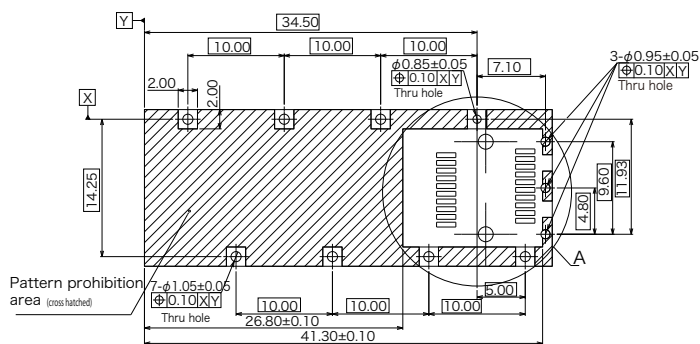
Press Fit type



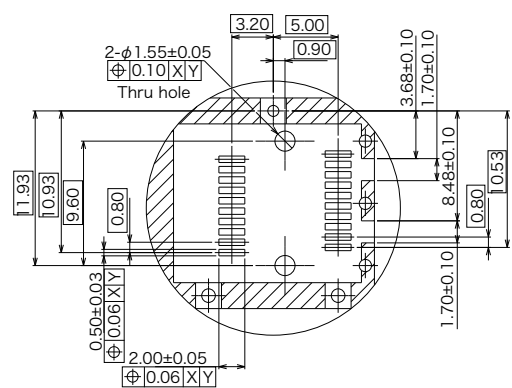
Recommended Bezel Design



Detail B-B



Recommended PCB Layout



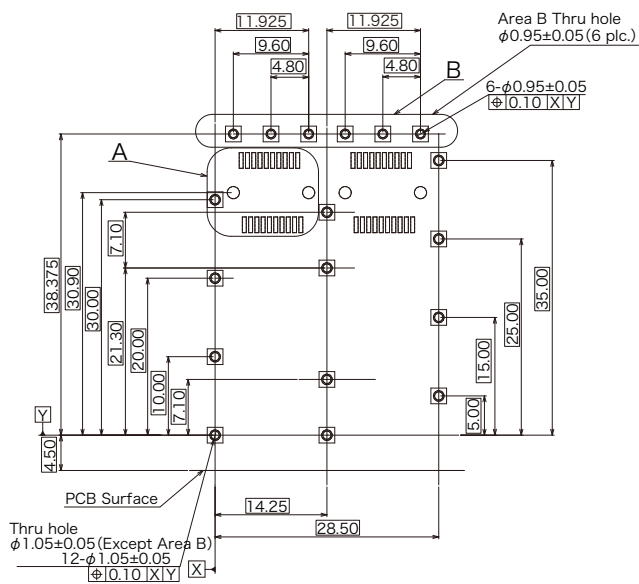
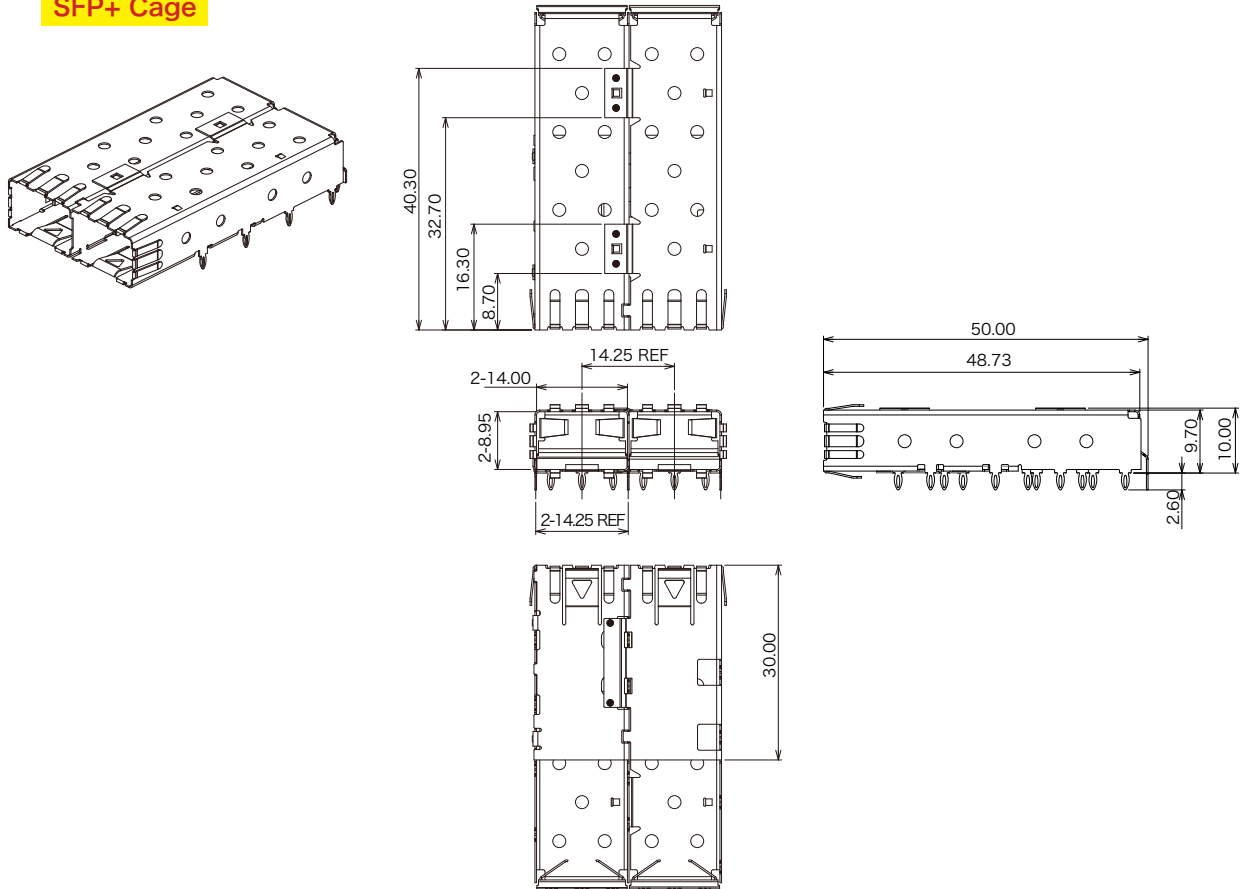
Detail A

► 1 by 2 Ganged Cage

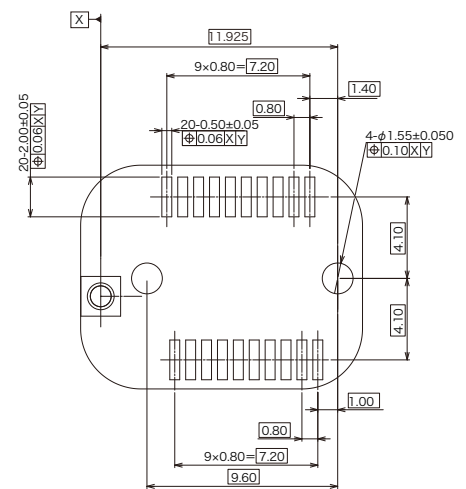
SPT-HANA-CAGE-2P-FS

Press Fit type

SFP+ Cage



Recommended PCB Layout

PCB thickness: 1.60 ± 0.19 

Detail A

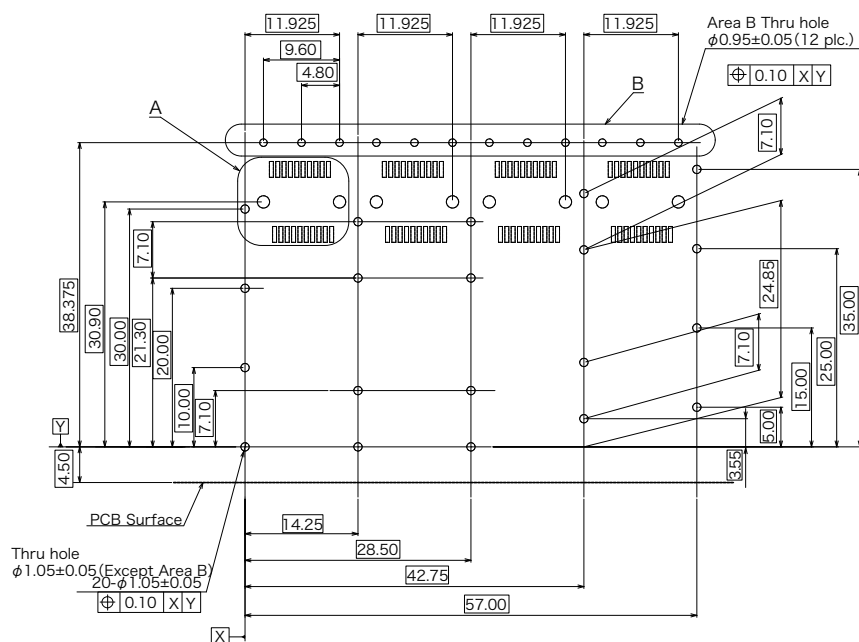
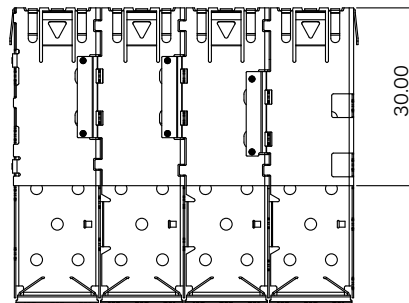
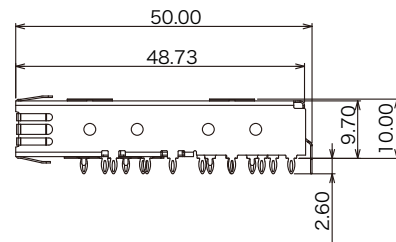
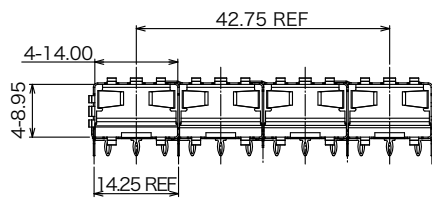
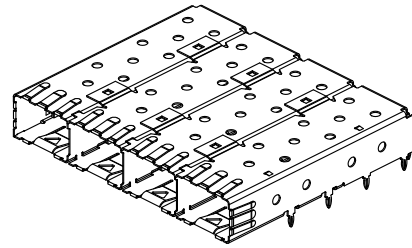
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Please verify the latest specifications with our drawings.

<https://www.connector.fujikura.com>

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.



Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and tolerances. The drawing includes a top view and a side view.

Top View Dimensions:

- Overall width: 11.925 ± 0.10 (X|Y)
- Overall height: 20.200 ± 0.05 (X|Y)
- Distance from top edge to first hole center: $9 \times 0.80 = 7.20$
- Distance between hole centers: 0.80
- Distance from last hole center to right edge: 1.40
- Distance from top edge to hole center line: 20.050 ± 0.03 (X|Y)
- Distance from hole center line to right edge: 0.06 (X|Y)

Side View Dimensions:

- Overall height: $8 \phi 1.55 \pm 0.05$
- Distance from top edge to hole center line: 4.10
- Distance from hole center line to bottom edge: 4.10
- Distance from hole center line to right edge: 1.00
- Distance between hole centers: 0.80
- Distance from last hole center to right edge: 7.20
- Overall width: 9.60

Detail A