

APPROVAL SHEET

To :

Customer P/N :

UDE P/N : SB10-ZZ-0001

Description : SFP28 Cage 1X1
Press-fit
Without Lightpipe&heatsink
Packing With Hard Tray



Spec No.	Update Date	Revision
SB1019001-00	2019/11/27	B

Approved	Checked	Prepared



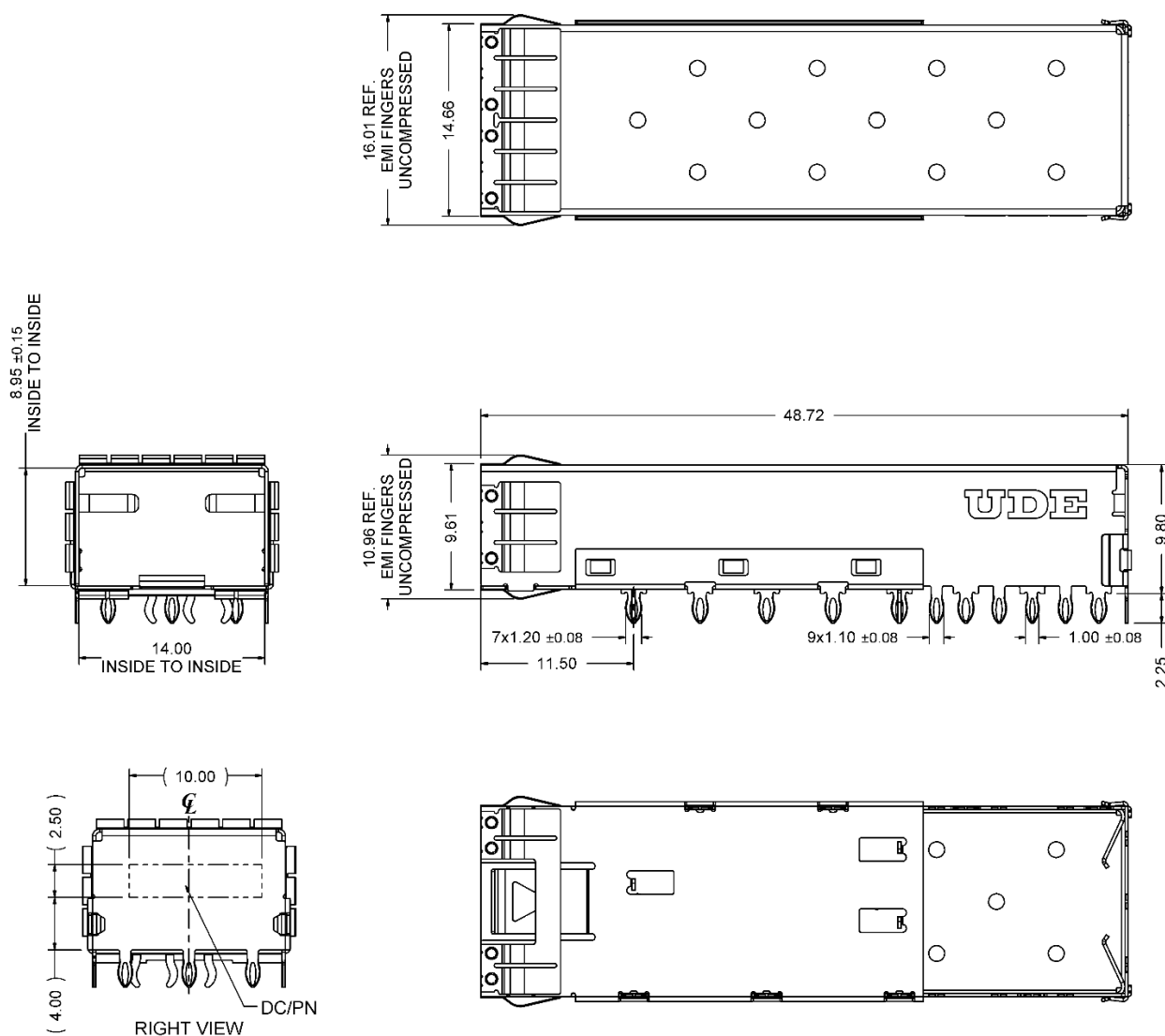
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UDE Corp.

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1. MECHANICAL DIMENSION

1.1 CAGE assembly Dimension

General Tolerance : X.X : ± 0.38
X.XX : ± 0.20

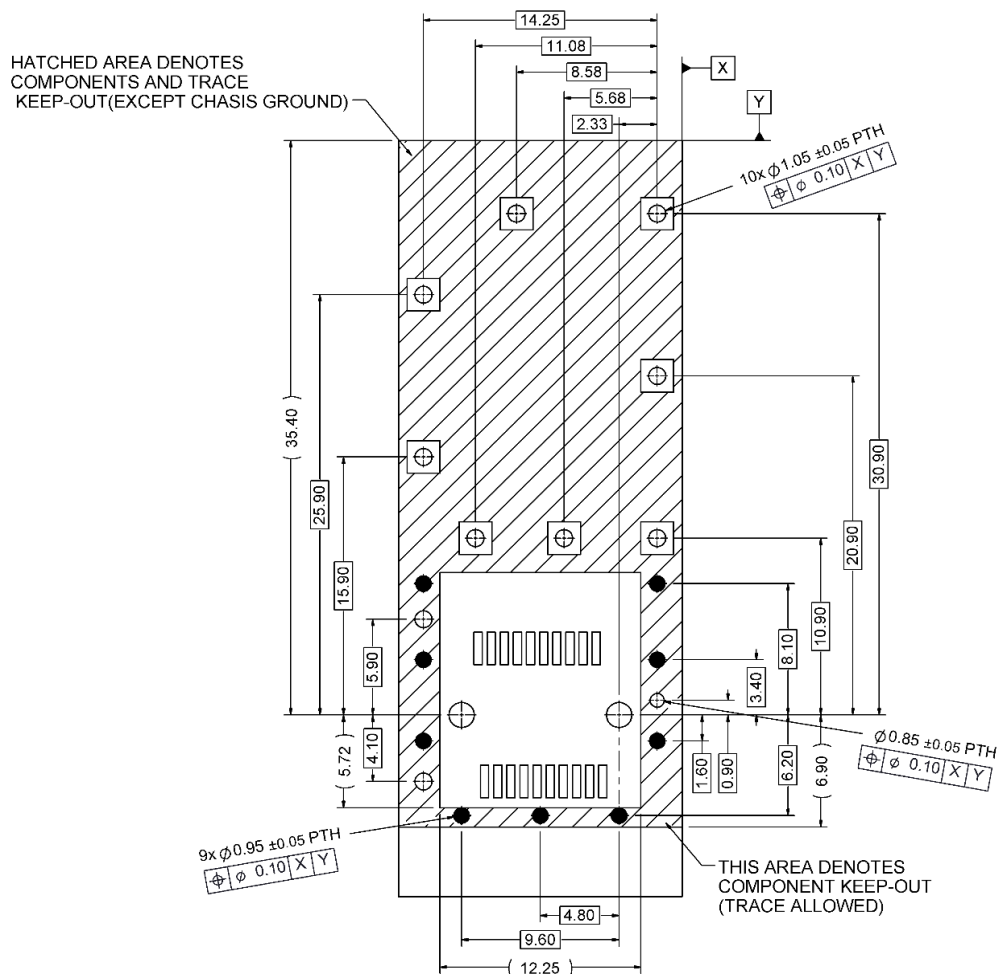


1.2 Recommended PCB Layout

Component Side of Board

All dimension tolerances are $\pm 0.05\text{mm}$ unless otherwise specified

PCB LAYOUT FOR SINGLE SIDE MOUNTING



NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND

RECOMMEND PADS TO BE 2.00mm SQUARE

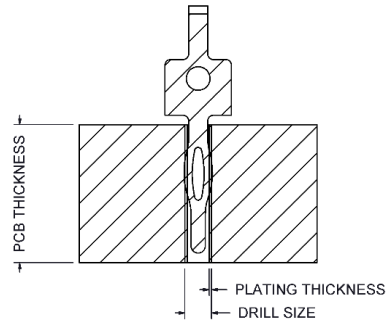
2. RECOMMENDED THRU HOLE PLATING INCLUDES

HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)

3. 1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

RECOMMENDED MOTHER BOARD THROUGH HOLE DIMENSION

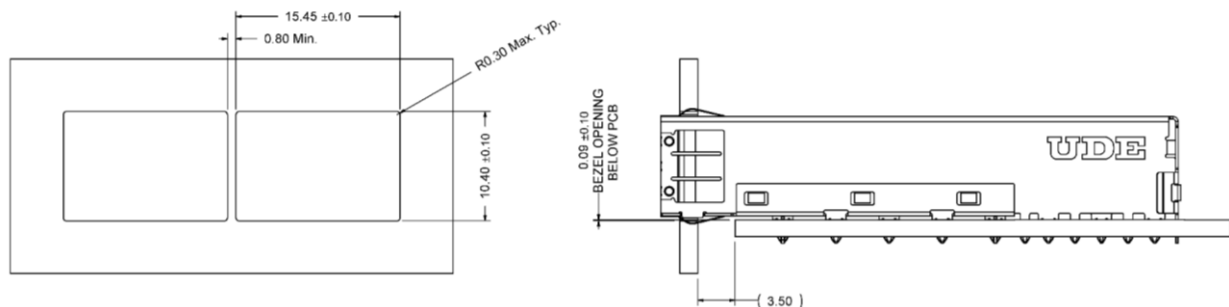
PLATED THROUGH HOLE	1.05 SHIELD PINS	0.95 SHIELD PINS	0.85 SHIELD PINS
FINISHED HOLE DIAMETER	1.05 ± 0.05	0.95 ± 0.05	0.85 ± 0.05
DRILLED HOLE DIAMETER	1.15	1.05	0.95
COPPER PLATING	0.025 Min.	0.025 Min.	0.025 Min.



RECOMMENDED MOTHER BOARD THROUGH HOLE DIMENSION

1.3 Recommended Panel Cutout

PANELCUTOFF FOR SINGLE SIDE MOUNTING (SPRING FINGERS)



PRESS-FIT ASSEMBLIES

Hand place using proper seating force to engage all Leg tails into plated thru-holes.

Assemblies are to be seated per the instructions associated with the appropriate insertion tool

Note: UDE recommends only one connector assembly be installed at a time.

1.4 Packing Information

35 pcs finished goods per tray

9 trays (280 pcs finished goods) per master carton

2. REQUIREMENTS

2.1 Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable.

2.2 Material

2.2.1 Shield Parts

2.2.1.1 Top Shell : Copper Alloy, Thickness=0.25mm

2.2.1.2 Bottom Shell : Copper Alloy, Thickness=0.25mm

2.2.1.3 EMI Spring Finger : Ph.Bronze, Thickness=0.08mm

Finish : 30μ" min. Nickel

2.3 Operating and Storage Temperature

Operating Temperature : -40°C to +85°C

Storage Temperature : -55°C to +105°C

2.4 SFP CAGE specifications

Insertion force : 18 N max at a max. rate of 25.4mm per minute

(SFP module to SFP cage)

Extraction force : 12.5 N max at a max. rate of 25.4mm per minute

(SFP module to SFP cage)

Cage Retention (Latch strength) : 90N Min.

Durability : 100 cycles for standard class

2.5 Performance and Test Description

Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

2.6 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.

3. Revision History

[illegible]