

## 2007194-1 Product Details



**2007194-1**

TE Internal Number: 2007194-1



### Pluggable Connectors, Cages & Accessories

 Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- SFP+ Product Line
- Cage
- SFP+ Application
- Cage Type = Single - 1° Mount
- For Use With SFP+ SMT Connector

### Documentation & Additional Information

#### Product Drawings:

- [SFP+ 1X1 CAGE ASSEMBLY, PCI, SOLDER TAILS, EXTERNAL ...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [1773408-1 Pluggable Input/Output Solutions catalog -...](#) (PDF, English)
- [SFP+ Product Family: Cages, Connectors, Cable Assemb...](#) (PDF, English)
- [4-1773455-3 - Quick Reference Guide SFP+ Solutions](#) (PDF, English)

#### Product Specifications:

- [Single Port SFP+ Cages, Ganged SFP+ Cages, and SFP+ ...](#) (PDF, English)

#### Application Specifications:

- [Small Form-Factor Pluggable \(SFP\) Connector and Cage...](#) (PDF, English)

#### Instruction Sheets:

- None Available

#### CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

#### Related Products:

- [Tooling](#)
- [Connectors \(2\)](#)
- [Dust Cap/Plugs \(3\)](#)
- [Cable Assemblies \(4\)](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Product Line = SFP+
- Product Type = Cage
- Termination Method to PC Board = Wave Solder

#### Mechanical Attachment:

- PCB Mount = Single Sided

#### Electrical Characteristics:

- Data Signal Rate (Gb/s) = Up to 16

#### Termination Features:

- Tail Length (mm [in]) = 2.8 [0.11]

#### Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.50 [0.059]
- Length (X-Axis) (mm [in]) = 48.70 [1.917]
- Width (Z-Axis) (mm [in]) = 14.50 [0.570]
- Profile Height (Y-Axis) (mm [in]) = 9.45 [0.372]

#### Housing Features:

- Cage Type = Single - 1° Mount
- Cage Material = Nickel Silver

#### Configuration Features:

- Port Configuration = Single Port
- Lightpipe = Without
- EMI Containment = External Springs

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant

#### Conditions for Usage:

- [For Use With](#) = SFP+ SMT Connector
- Applies To = Printed Circuit Board

#### Operation/Application:

- [Application](#) = SFP+
- Heat Sink Application = No

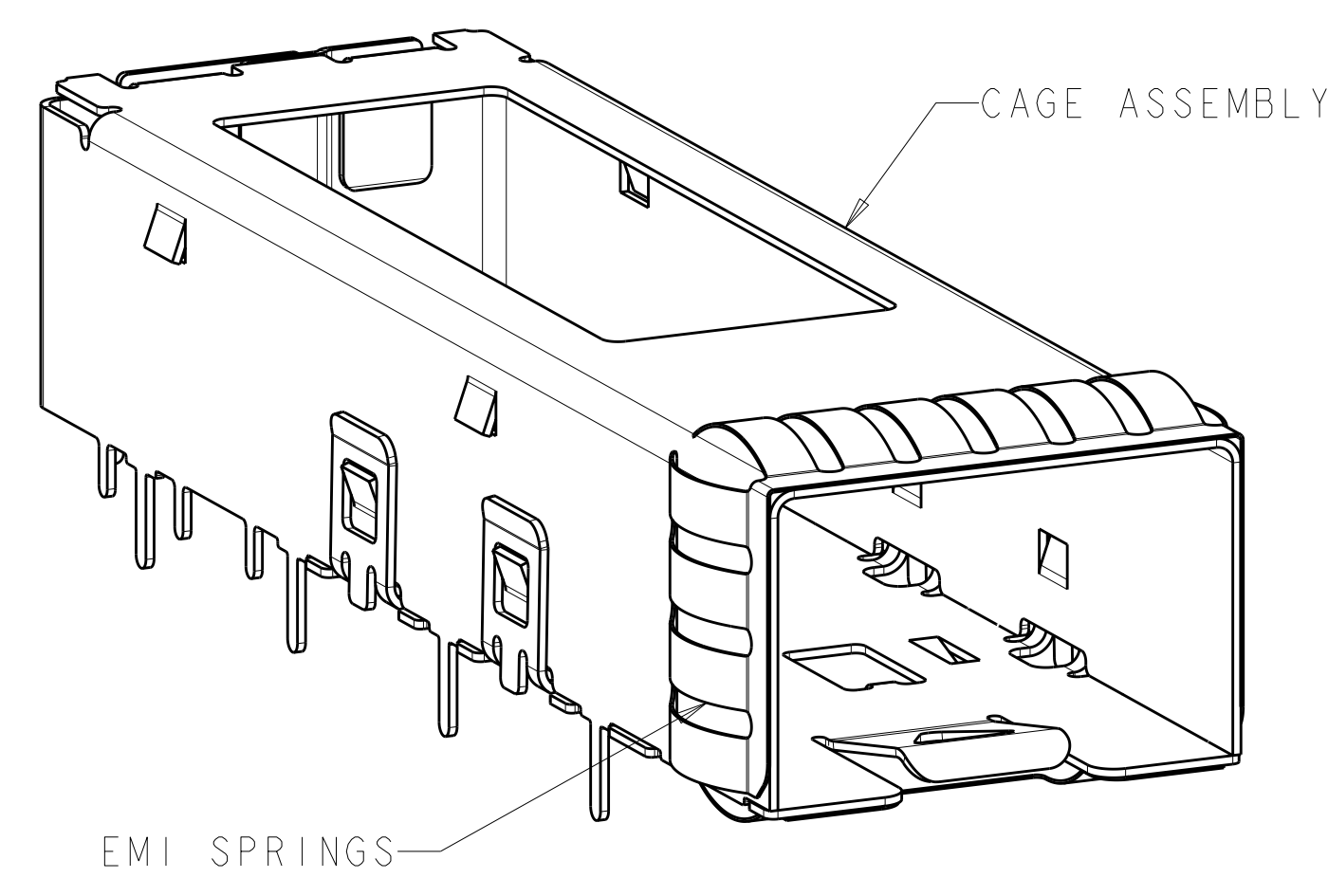
#### Packaging Features:

- Packaging Method = Tray

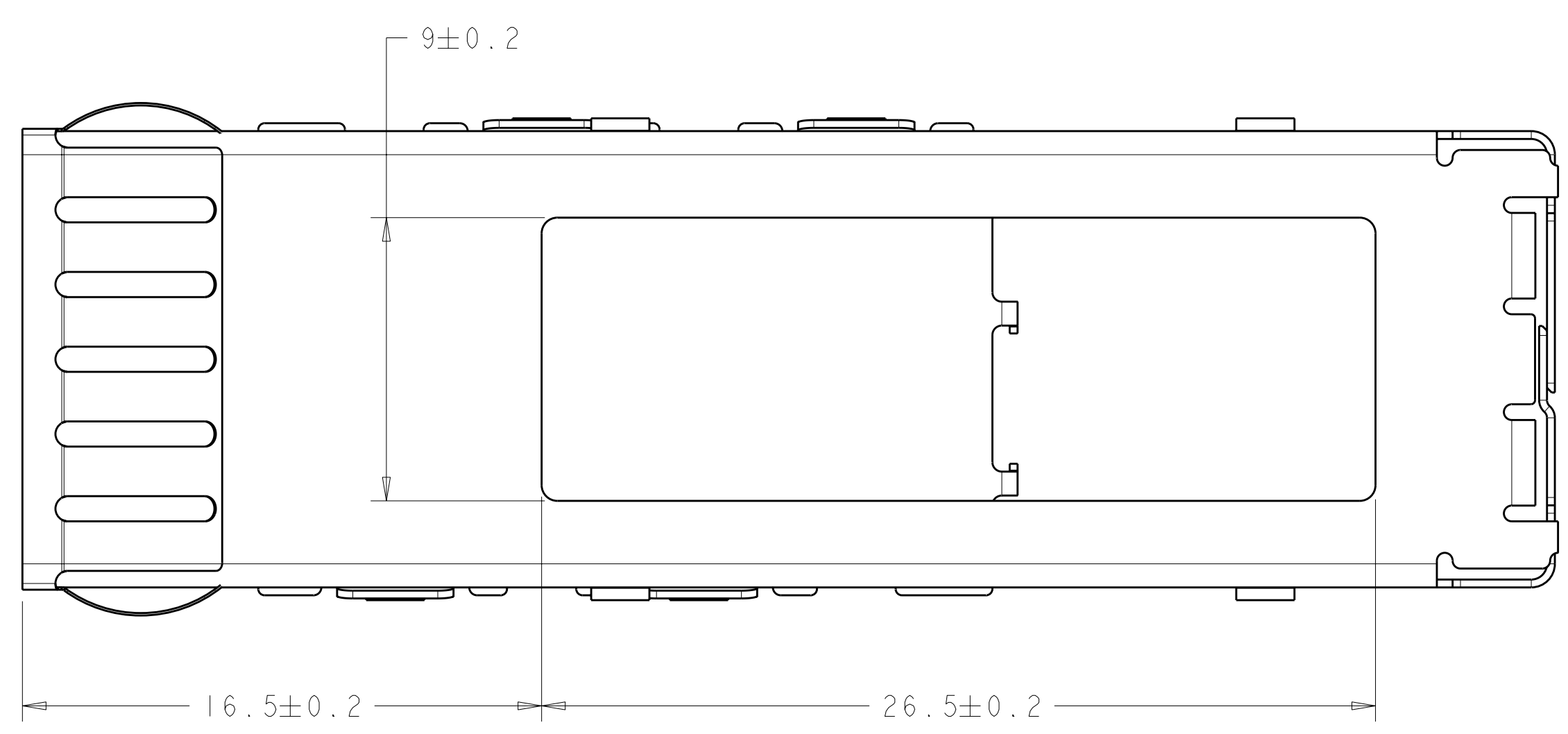
#### Other:

- Brand = TE Connectivity
- Comment = Meets requirements for PCI applications / EMI Holes

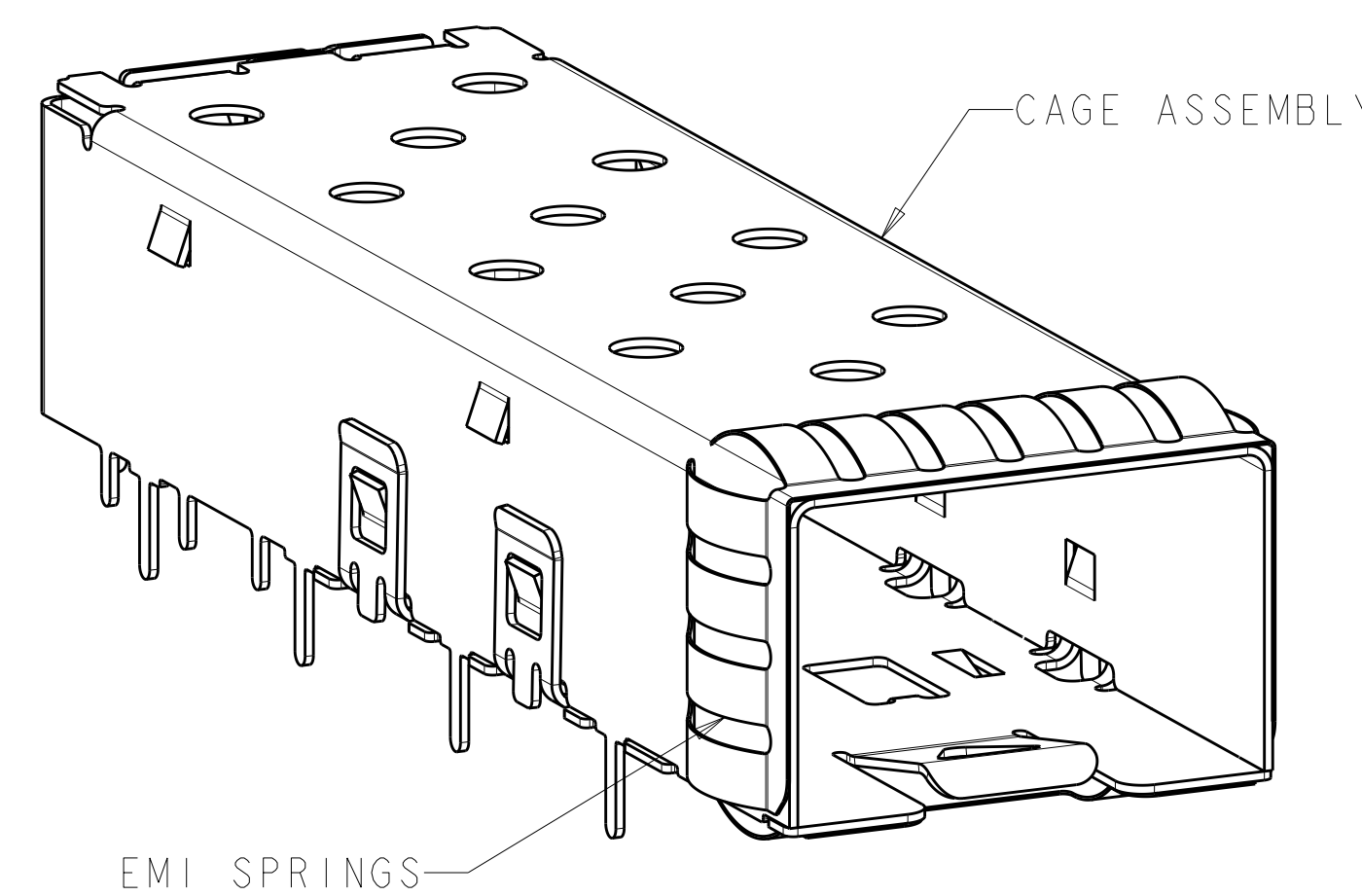
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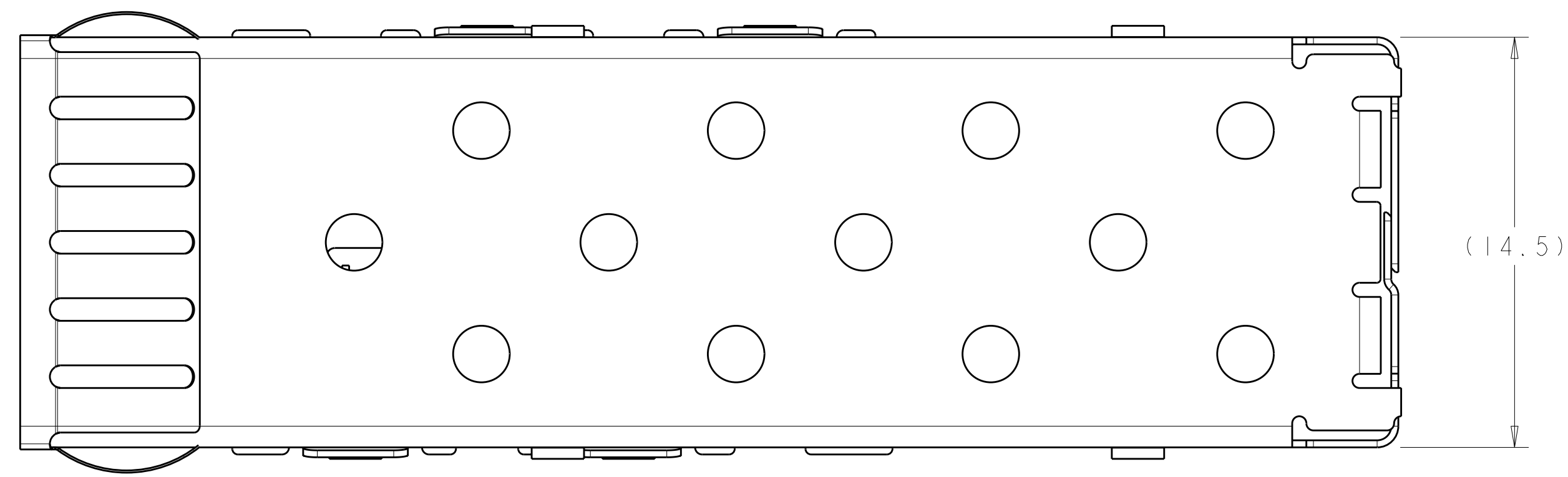
2007194-2  
SCALE 5:1



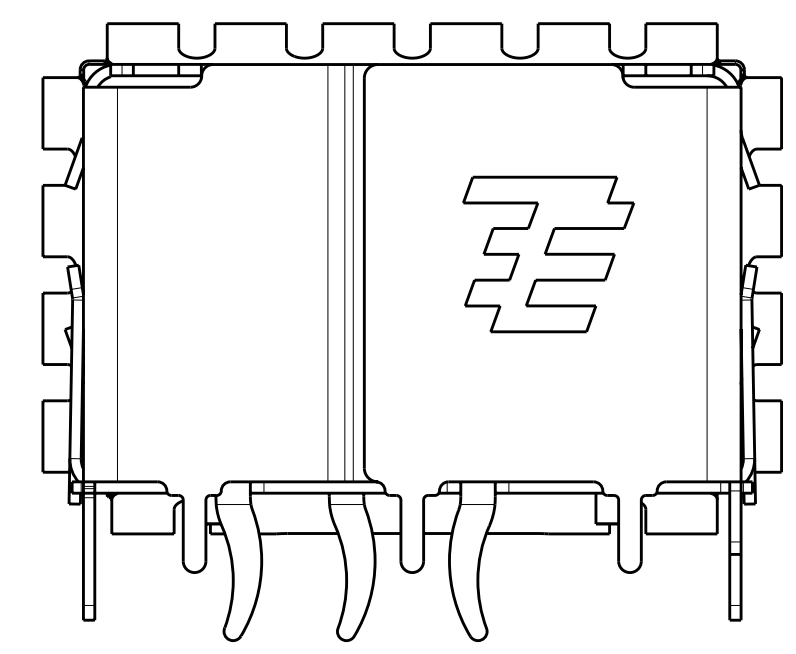
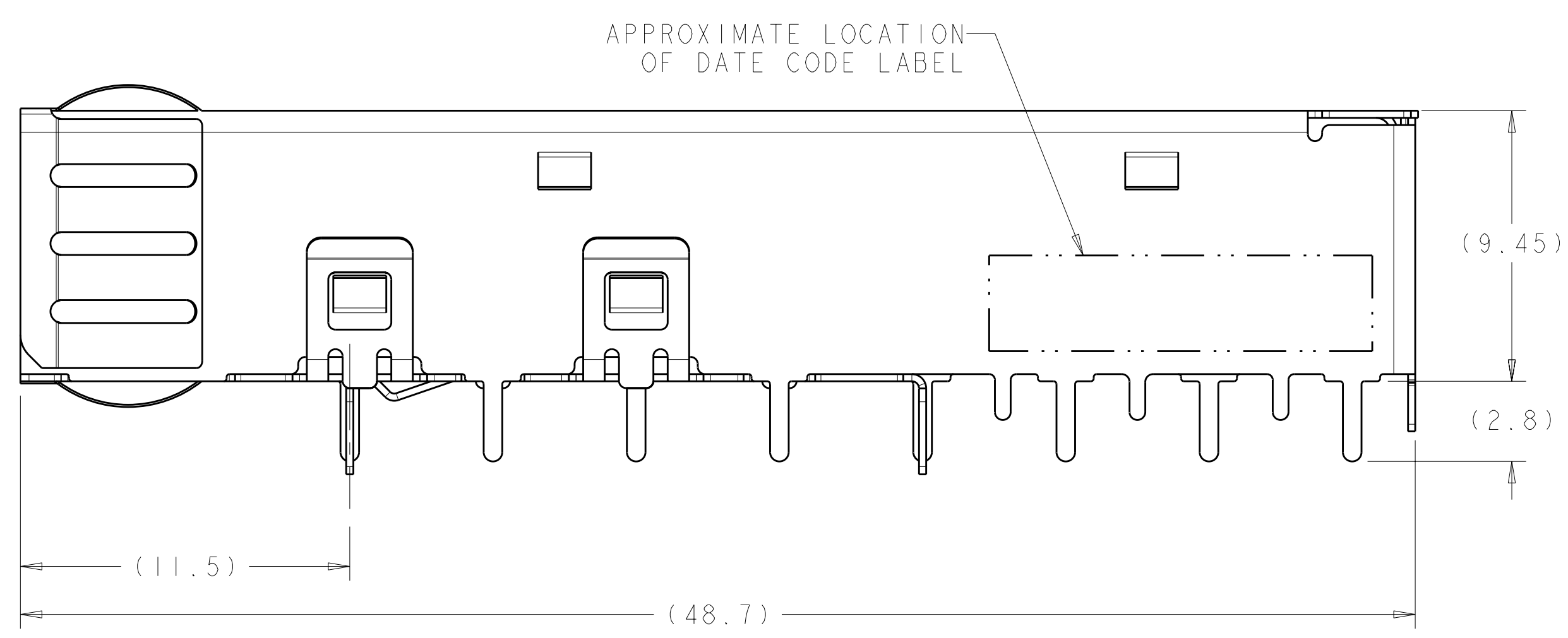
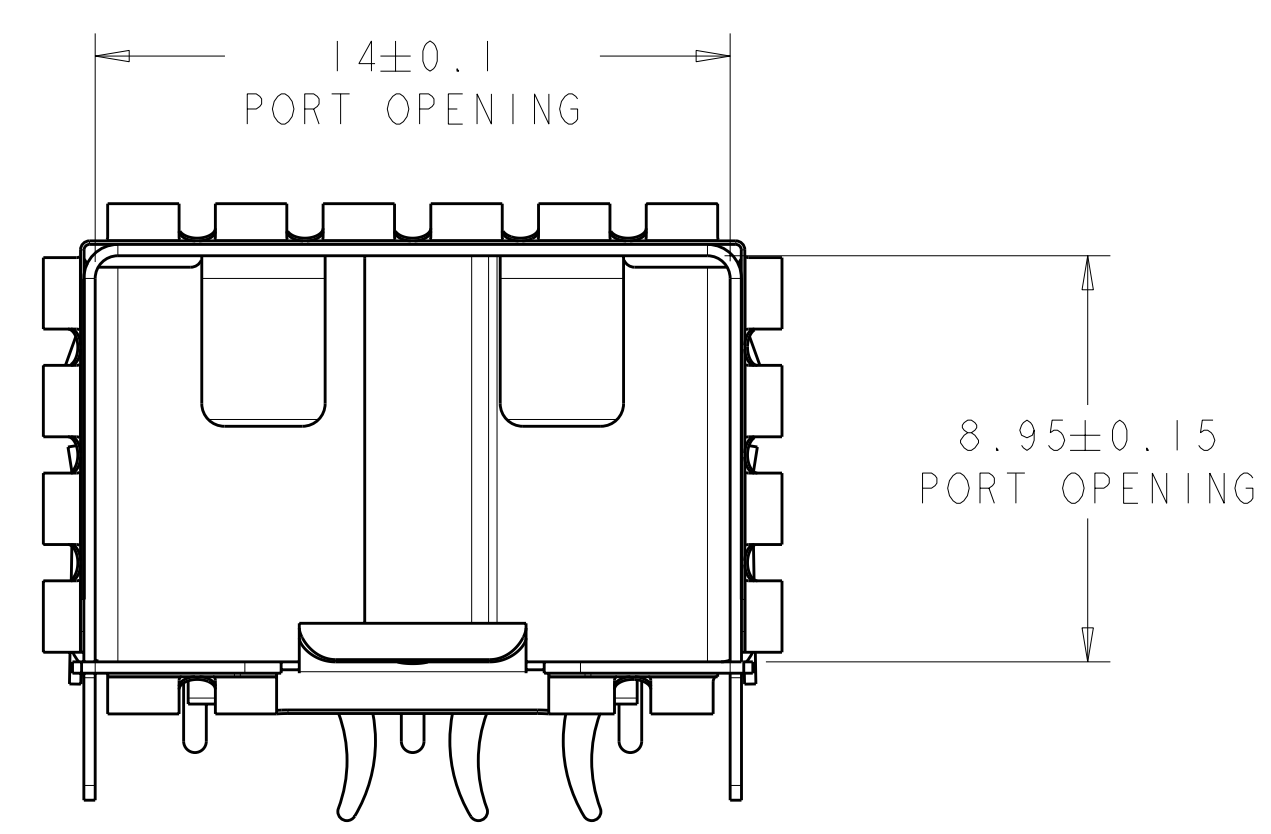
2007194-2  
SAME AS 2007194-1 EXCEPT AS SHOWN  
TOP VIEW



2007194-1  
SCALE 5:1



2007194-1  
TOP VIEW

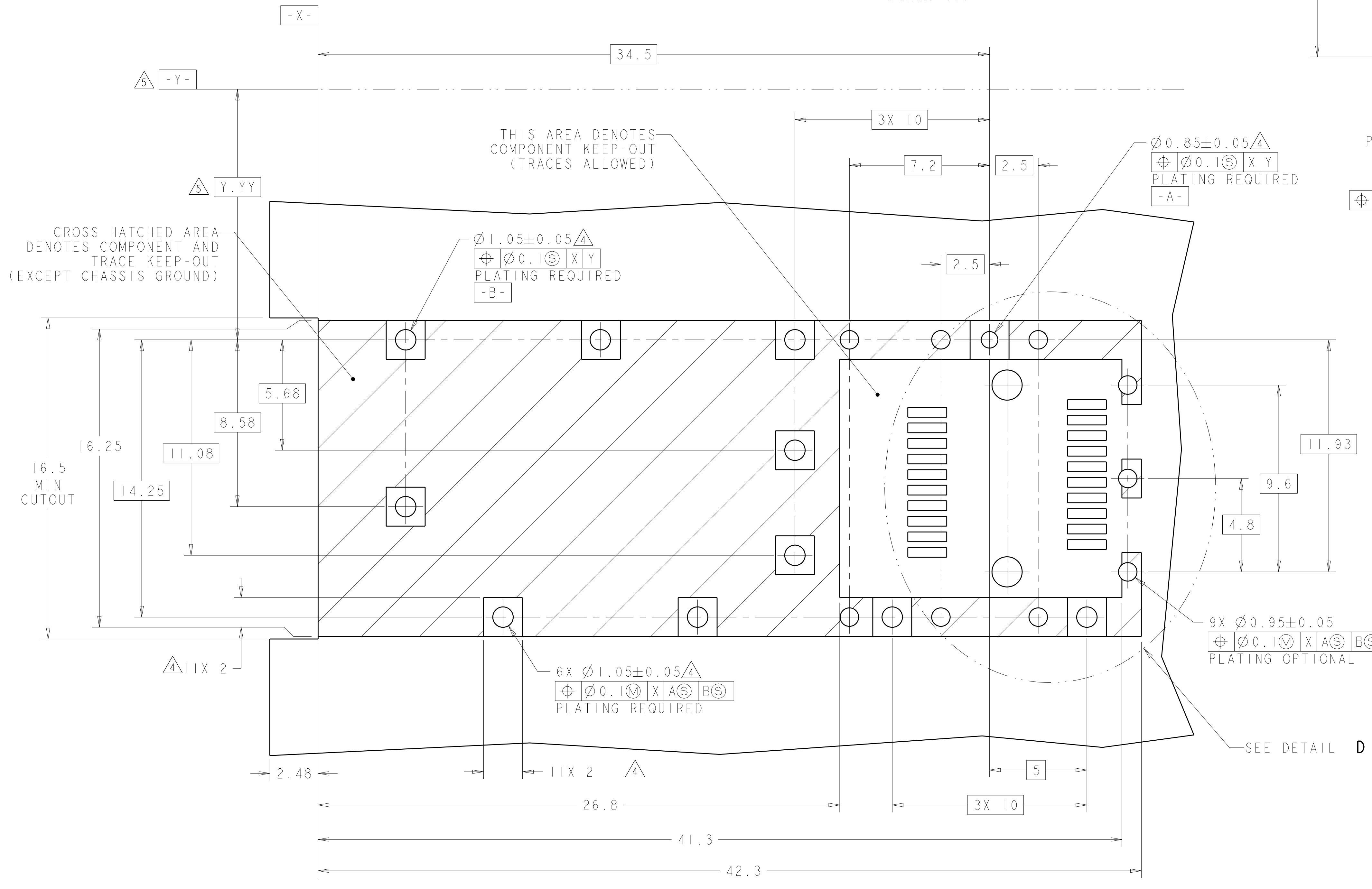
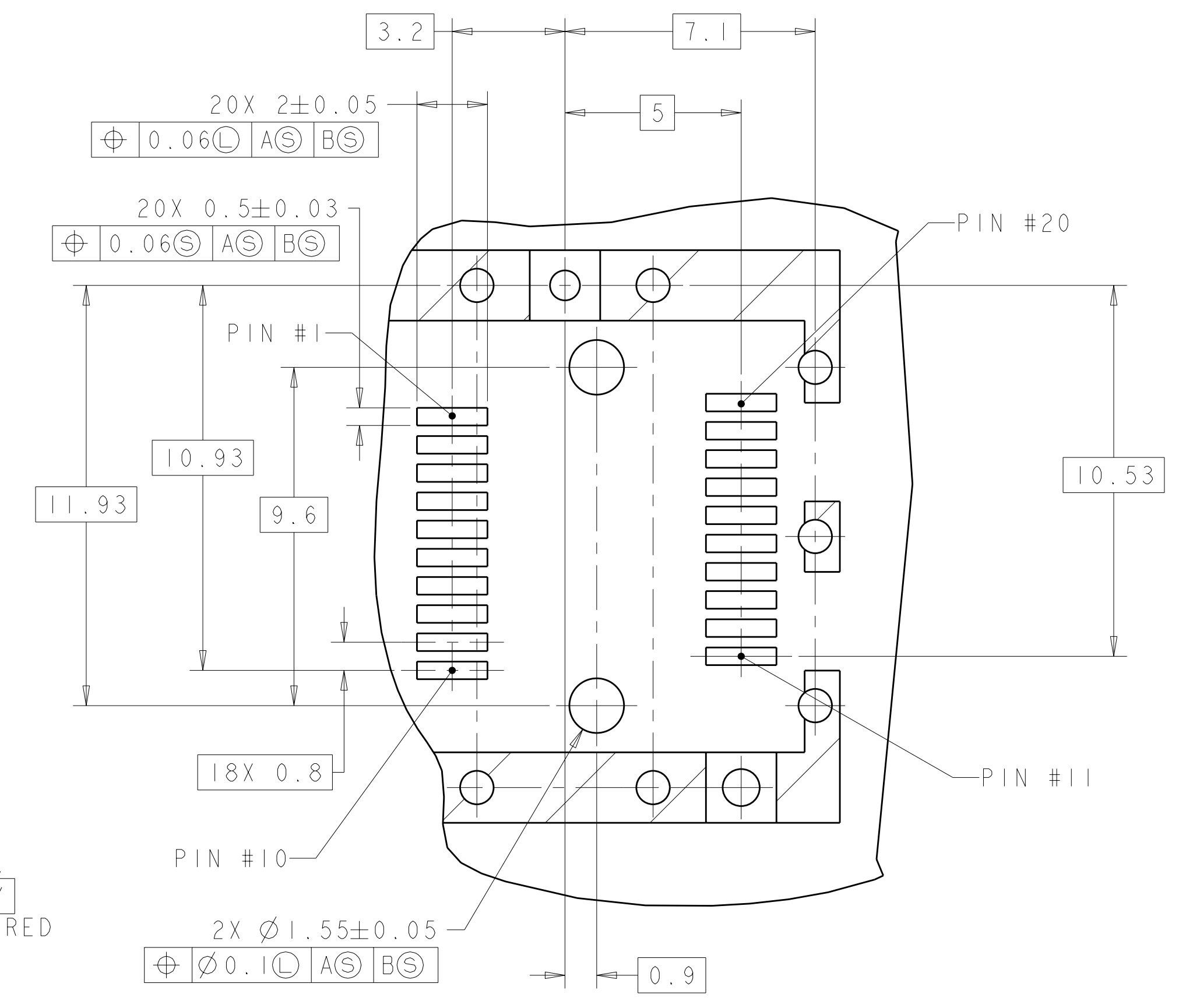
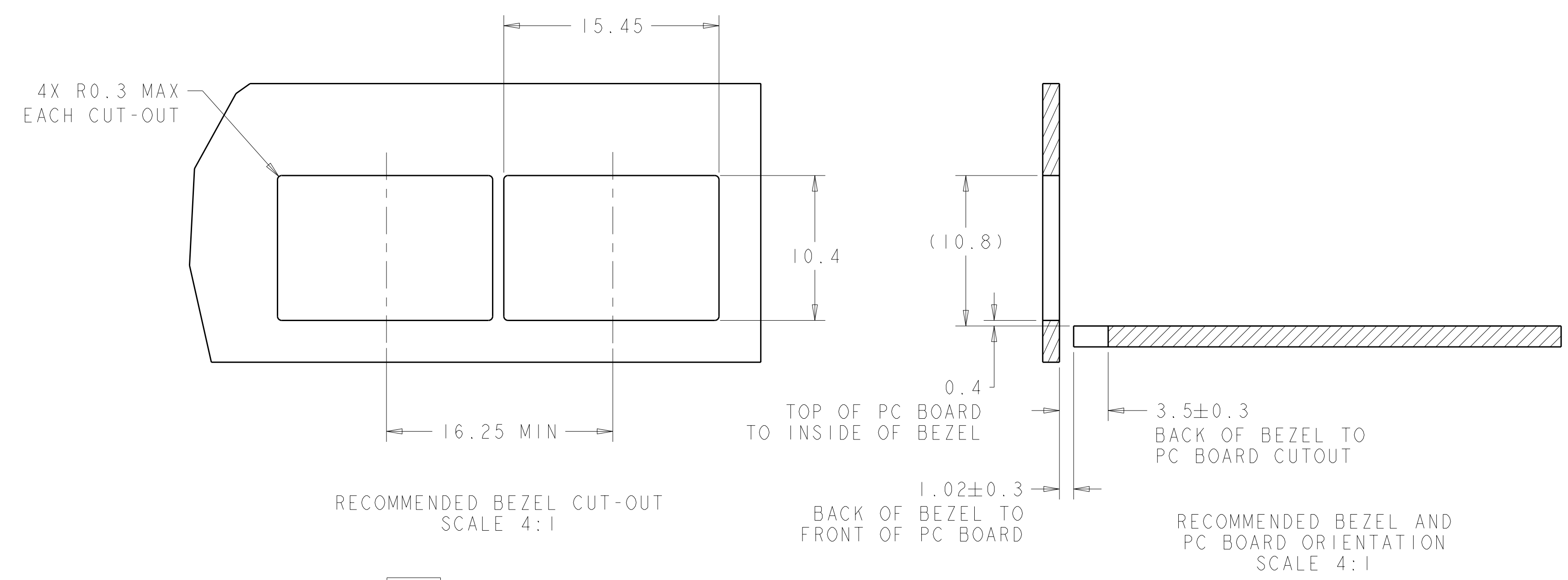


HEATSINK OPENING	2007194-2
EMI HOLES	2007194-1
DESCRIPTION	PART NUMBER

- 1 MATERIAL:  
CAGE ASSEMBLY - 0.25mm THICK NICKEL-SILVER ALLOY.  
EMI SPRINGS - COPPER ALLOY.
- 2 FINISH:  
EMI SPRINGS - 0.8um MIN MATTE TIN OVER 0.8um MIN NICKEL  
NON PLATED EDGES PERMISSIBLE.
- 3. MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.
- 4 PADS AND VIAS CHASSIS GROUND.
- 5 DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 6. MINIMUM PC BOARD THICKNESS:  
SINGLE SIDED = 1.50mm.
- 7. NOTE DELETED

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN	Z. M. BEAM	10JUL2007
DIMENSIONS:		CHKD	M. R. SCHMITT	10JUL2007
mm		APVD	R. H. WERTZ	10JUL2007
9 PLC	±0.1	NAME		
1 PLC	±0.1	SFP+ 1X1 CAGE ASSEMBLY,		
3 PLC	±0.1	PCI, SOLDER TAILS,		
5 PLC	±0.05	EXTERNAL EMI SPRINGS		
4 PLC	±0.05	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
ANGLES	±0.05	A100779C=2007194		
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	
			SCALE 6:1	SHEET 1 OF 2 REV D

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THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN Z. M. BEAM	10JUL2007	 TE Connectivity
DIMENSIONS: mm		CHK M. R. SCHMITT	10JUL2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD P. H. WERTZ	10JUL2007	
9 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.05 4 PLC ±0.05 ANGLES ±0.05		NAME R. H. WERTZ	NAME SFP+ 1X1 CAGE ASSEMBLY, PCI, SOLDER TAILS, EXTERNAL EMI SPRINGS	
MATERIAL	FINISH	PRODUCT SPEC 108-2364	APPLICATION SPEC 114-13120	SIZE CAGE CODE DRAWING NO A100779C=2007194
CUSTOMER DRAWING		WEIGHT	SCALE 6:1	SHEET 2 OF 2 REV D