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1367073-2 Product Details

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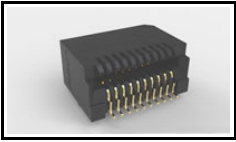
1367073-2

TE Internal Number:
1367073-2

✔ Active

📄 View 3D PDF

Pluggable Connectors, Cages & Accessories

🌿 Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:
- SFP Product Line
- Connector
- SFP Application
- Connector Style = Receptacle
- Data Signal Rate = Up to 4 Gb/s

View all Features

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Documentation & Additional Information

Product Drawings:
- PT CONNECTOR ASSEMBLY, 20 POSITION, SFP, RTANG, 0.8MM (PDF, English)

Catalog Pages/Data Sheets:
- 1773408-1 Pluggable Input/Output Solutions catalog -... (PDF, English)
- 4-1773455-4 Quick Reference Guide SFP Solutions (PDF, English)

Product Specifications:
- Small Form Factor Pluggable, 0.8 mm Centerline Conne... (PDF, English)
- SFP HSSDC II Copper Module Transceiver (PDF, English)
- Small Form Factor Pluggable, 0.8mm Centerline Connectors (PDF, Japanese)
- SFP Cage Assemblies (PDF, Japanese)
- SFP 20 Position Connector (PDF, Japanese)

Application Specifications:
- Small Form-Factor Pluggable (SFP) Connector and Cage... (PDF, English)
- Small Form-Factor Pluggable (SFP) Ganged Press-Fit P... (PDF, English)
- Small Form-Factor Pluggable (SFP) DWDM (Dense Wavele... (PDF, English)

Instruction Sheets:
- Small Form-Factor Pluggable (SFP) DWDM (Dense Wavele... (PDF, English)
- Small Form-Factor Pluggable (SFP) Connector and Cage... (PDF, English)

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version F)
- 3D Model (IGES, Version F)
- 3D Model (STEP, Version F)

Related Products:
- Tooling
- Cages (21)

List all Documents

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

Product Type Features:
- Product Line = SFP

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant,

- Product Type = Connector

Mechanical Attachment:
- PCB Mount = Double Sided (Belly-to-Belly)

Electrical Characteristics:
- Data Signal Rate (Gb/s) = Up to 4

Termination Features:
- Termination Method to PC Board = Surface Mount

Contact Features:
- Contact Plating, Mating Area, Material = Gold
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Thickness (µm [µin]) = 0.76 [29.92]

Housing Features:
- Connector Style = Receptacle
- Housing Material = Liquid Crystal Polymer (LCP)
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

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:
- Applies To = Printed Circuit Board

Operation/Application:
- Application = SFP

Packaging Features:
- Packaging Method = Reel

Other:
- Brand = AMP

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20
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		REVISIONS			
LOC	DIST				
ES	00				
P	LTR	DESCRIPTION	DATE.	DWN	APVD
	JI	REVISED PER ECO-11-005033	09MAY2011	RK	HMR
	K	REVISED PER ECO-12-014566	18DEC2012	JY	AC

7.20
0.40
PIN 20
PIN 11

AMP
>LCP-GF30< 1

PIN 1
0.80
PIN 10
7.20

5.40 MAX

7.40±0.10

DATE CODE APPROXIMATE LOCATION
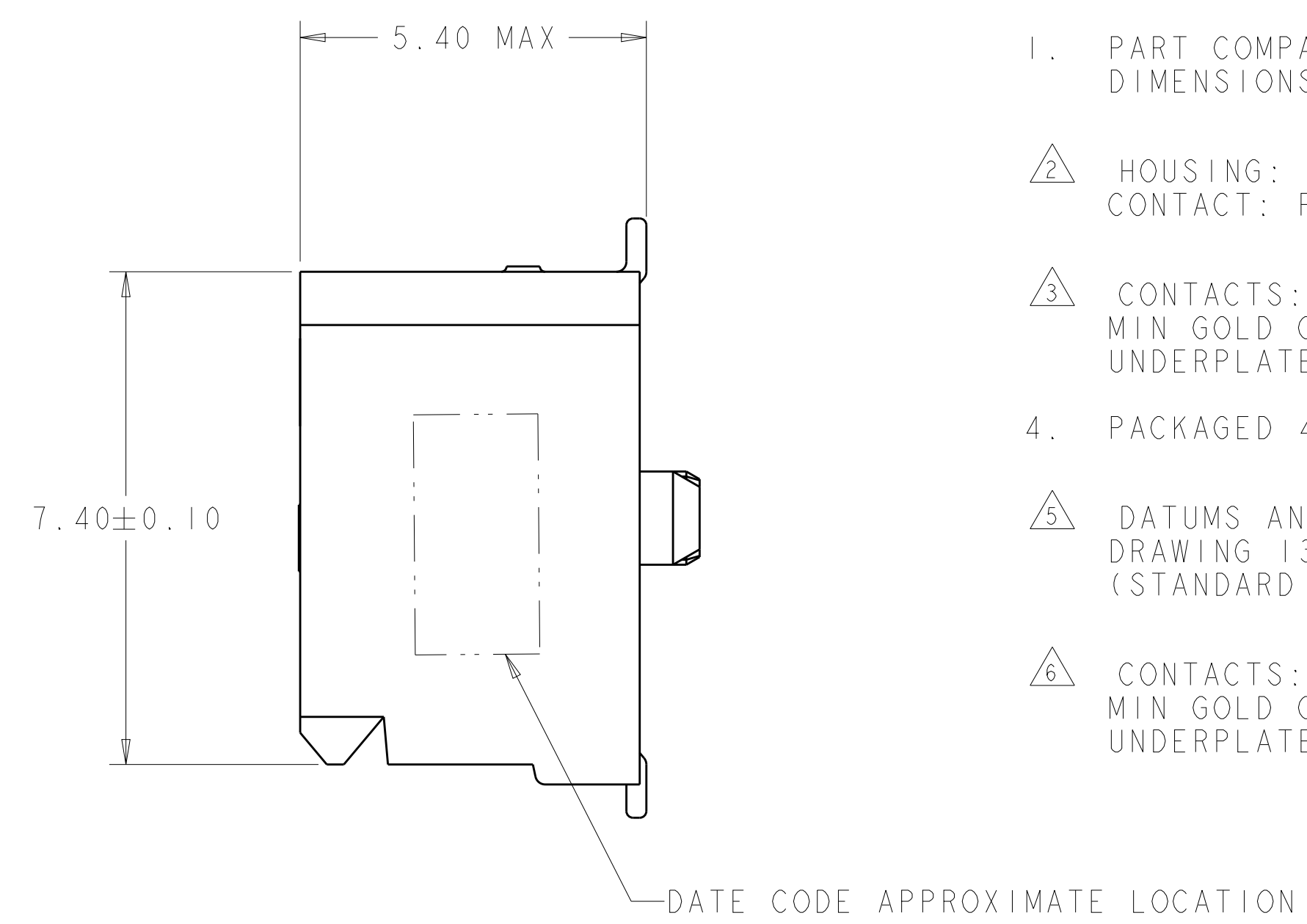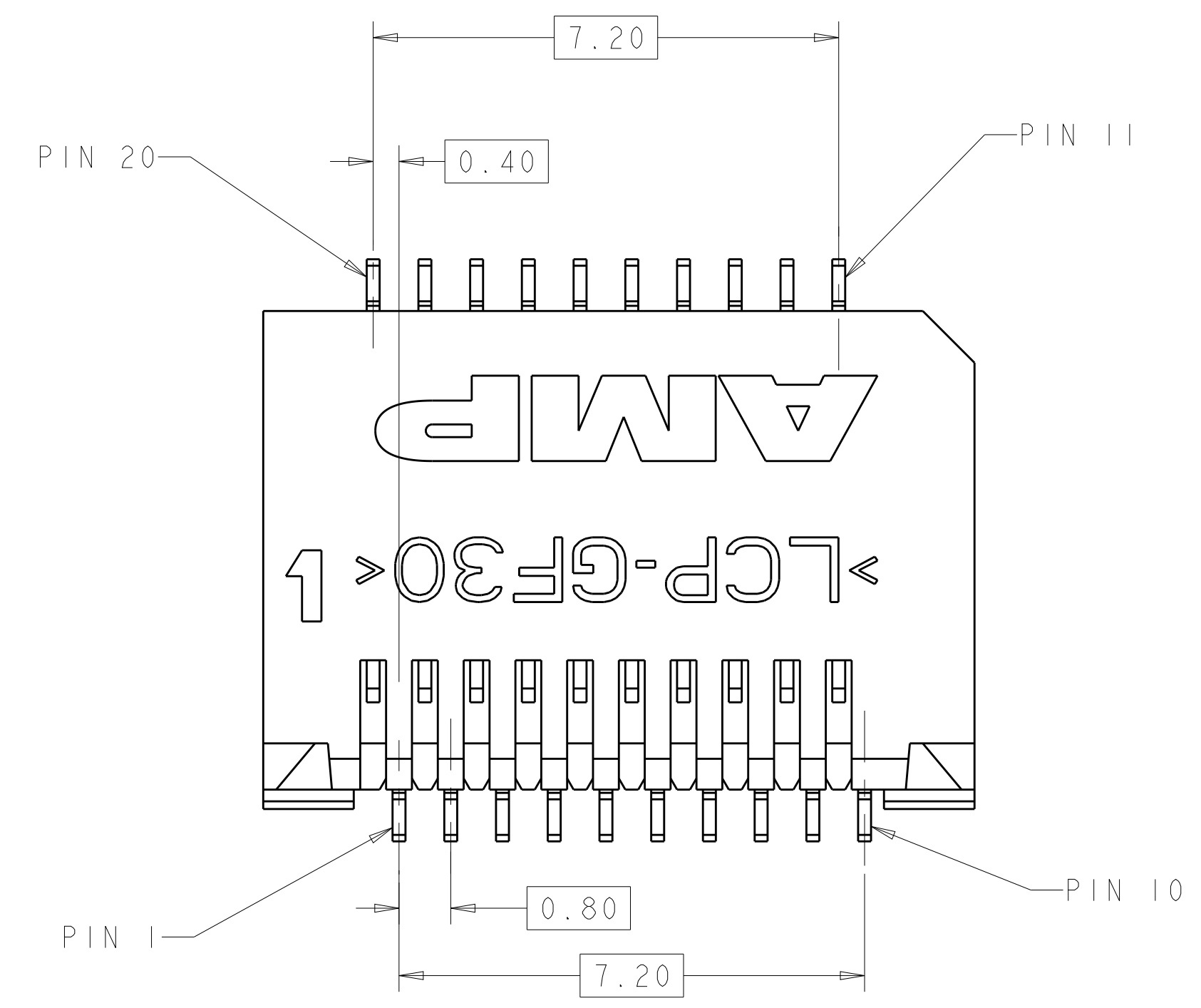
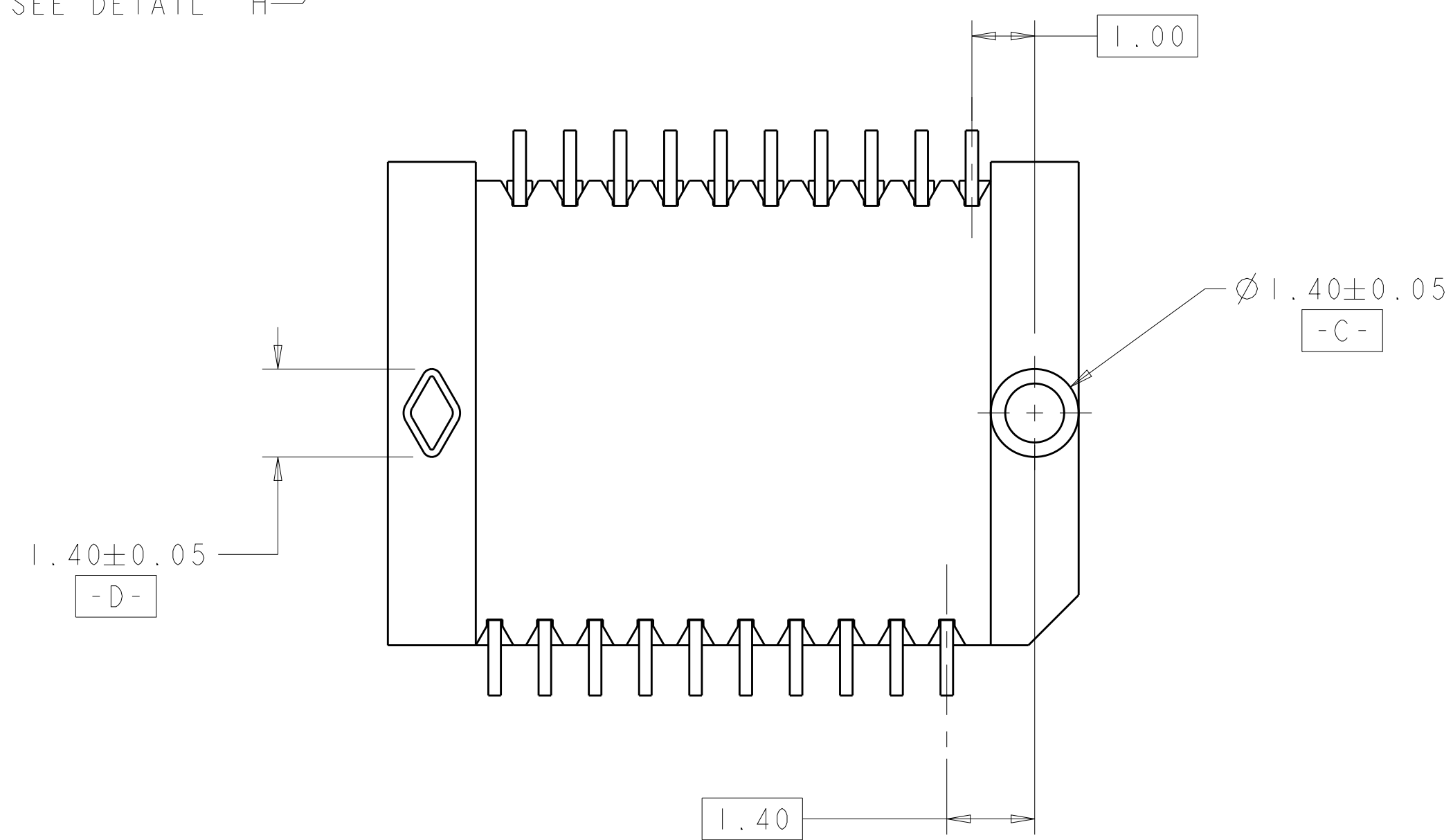1. PART COMPATABLE WITH SFP MSA. REFER TO THE SFP MSA FOR DIMENSIONS NOT SHOWN ON THIS PRINT.

2. HOUSING: HIGH TEMPERATURE LCP, UL 94V-0 RATED, BLACK. CONTACT: PHOSPHOR BRONZE.

3. CONTACTS: 0.00038 MIN GOLD IN CONTACT AREA, 0.00013 MIN GOLD ON SOLDER AREA, OVER 0.0038 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.

4. PACKAGED 480 PIECES PER REEL.

5. DATUMS AND BASIC DIMENSIONS TO BE ESTABLISHED BY CUSTOMER, SEE DRAWING 1367034 FOR LAYOUT WHEN USED WITH 1367034-1 BOTTOM CAGE (STANDARD SFP APPLICATION).

6. CONTACTS: 0.00076 MIN GOLD IN CONTACT AREA, 0.00013 MIN GOLD ON SOLDER AREA, OVER 0.0038 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
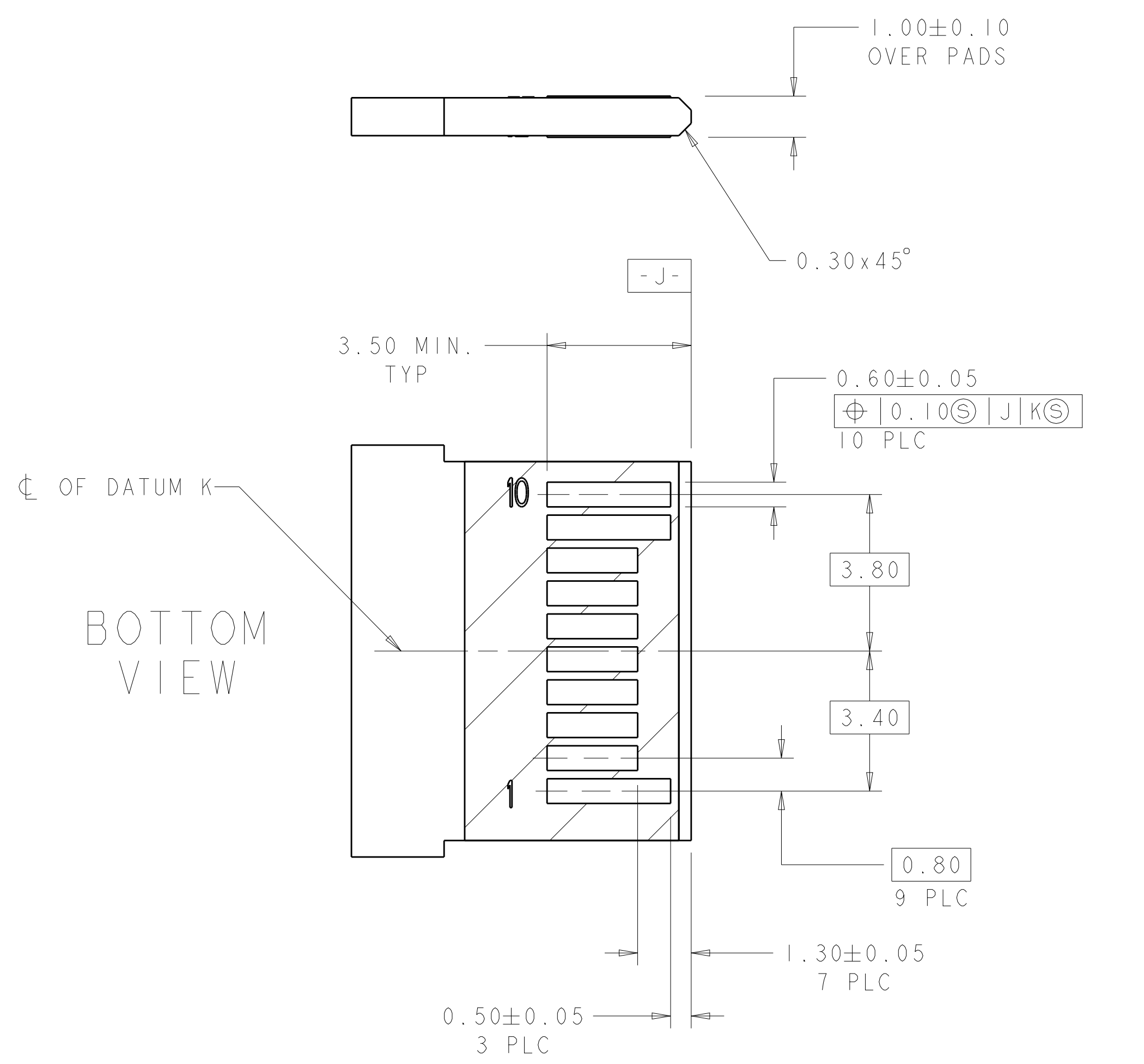
11.2 MAX
9.40±0.08
Z
1.2 MAX
2.7 MAX
0.90±0.13
-B-
STAND-OFF SURFACES
Z
0.90±0.13
SEE DETAIL H

3.00 MAX
6.0 MIN
SECTION Z-Z

>LCP-GF30< 1
AMP
SCALE 8:1

1.00
Ø1.40±0.05
-C-
1.40±0.05
-D-
1.40

$0.10^{+0.10}_{-0.13}$
-B-
STAND-OFF SURFACES
⌓ 0.10 B
TYP 20 SOLDER LEADS

0.20 REF
⊕ 0.10Ⓜ B CⓂ DⓂ
SOLDER LEADS

DETAIL H
SCALE 25:1
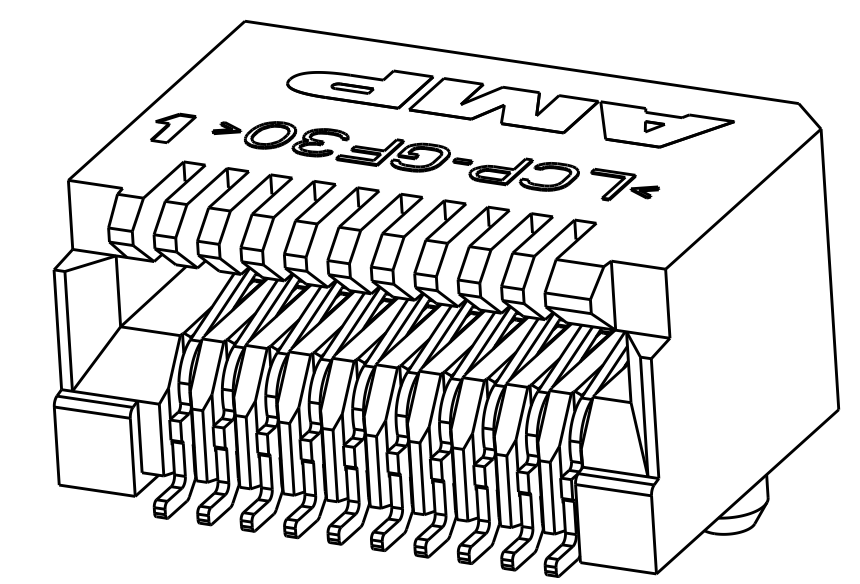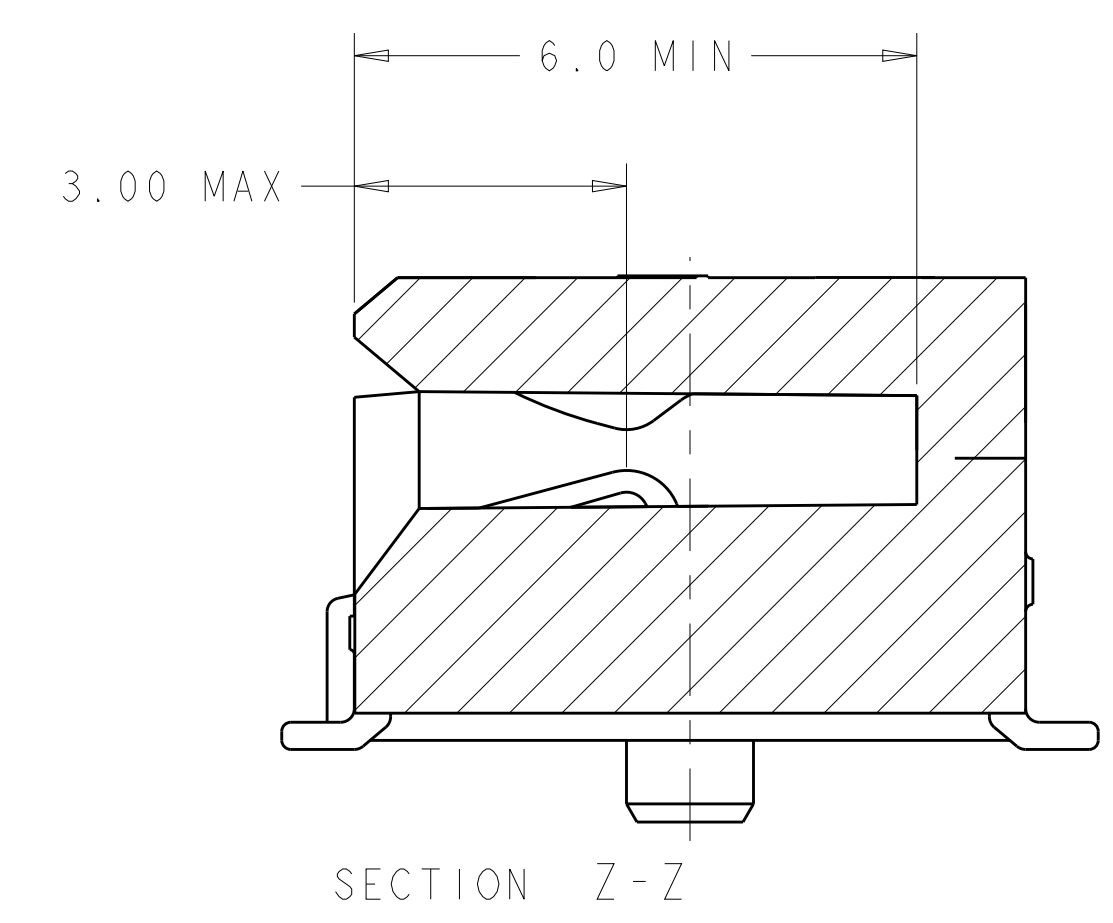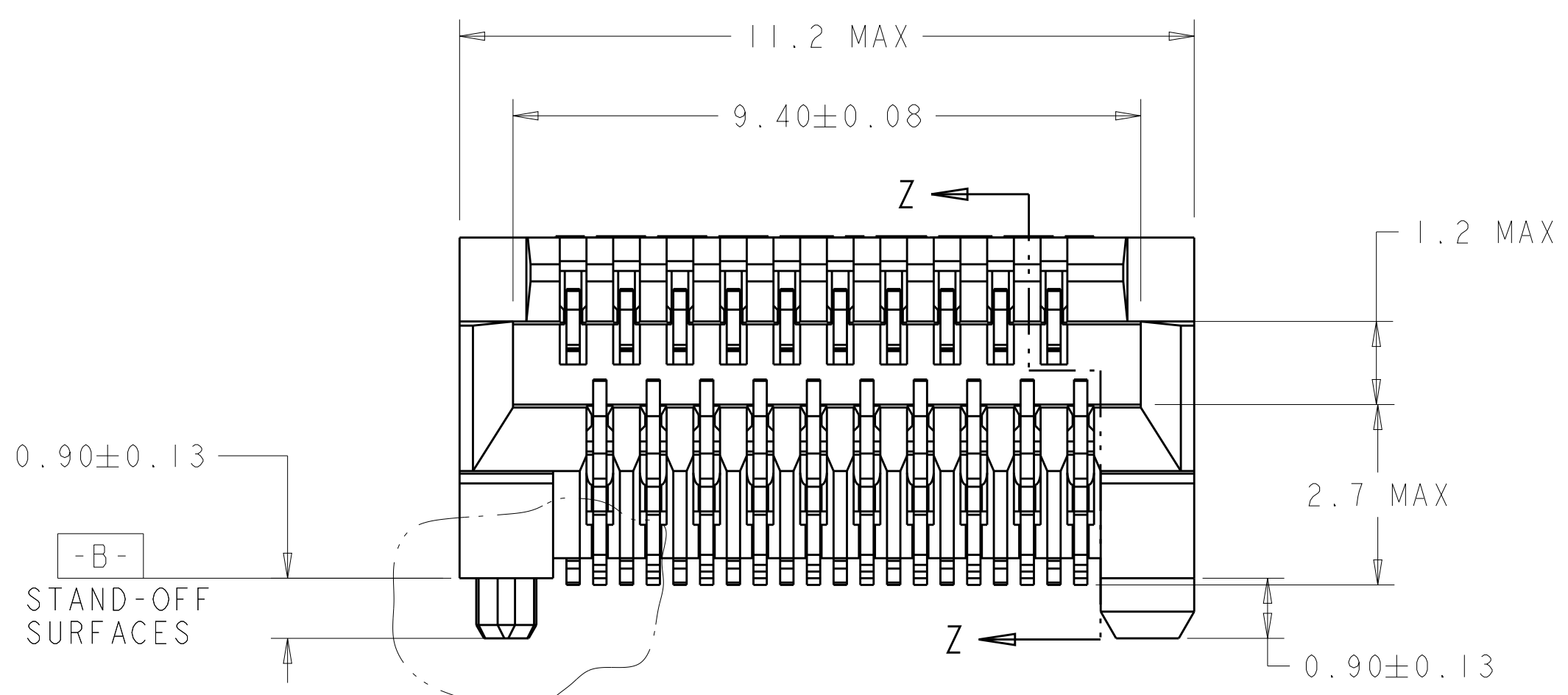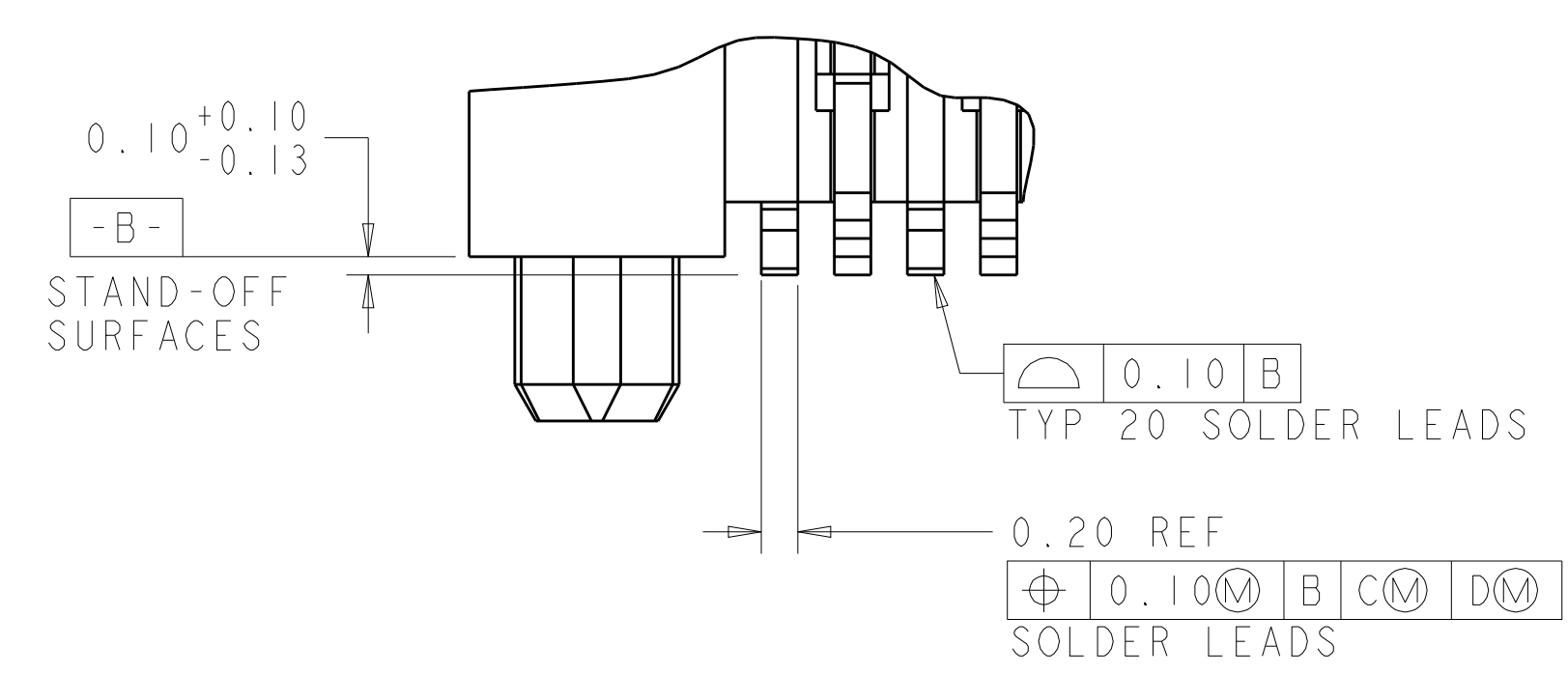
DATE CODE	FINISH	PART NUMBER
YES	6	1367073-4
YES	3	1367073-3
NO	6	1367073-2
NO	3	1367073-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	P. KERLIN	01MAR2000
CHK	E. BRIGHT	01MAR2000
APVD	F. BRIGHT	01MAR2000

TE
TE Connectivity

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC　±
1 PLC　±
2 PLC　±0.10
3 PLC　±
4 PLC　±
ANGLES　±

NAME
PT CONNECTOR ASSEMBLY, 20 POSITION, SFP, RTANG, 0.8MM

PRODUCT SPEC
108-1949
APPLICATION SPEC
114-13017

SIZE A | CAGE CODE 00779 | DRAWING NO C-1367073 | RESTRICTED TO -

MATERIAL
FINISH
SEE TABLE

WEIGHT -

SCALE 12:1 | SHEET 1 OF 2 | REV K

Customer Drawing

4805 (3/11)

LOC ES
DIST 00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

TOP VIEW

₵ OF DATUM K

0.50±0.05
4 PLC

0.90±0.05
2 PLC

1.30±0.05
4 PLC

0.80
9 PLC

20
11

3.80

3.40

9.20±0.10
-K-

3.50 MIN
TYP

0.60±0.05
⊕ 0.10 S J K S
10 PLC
-J-

BOTTOM VIEW

1.00±0.10
OVER PADS

0.30x45°

-J-

3.50 MIN.
TYP

0.60±0.05
⊕ 0.10 S J K S
10 PLC

₵ OF DATUM K

10
1

3.80

3.40

0.80
9 PLC

1.30±0.05
7 PLC

0.50±0.05
3 PLC
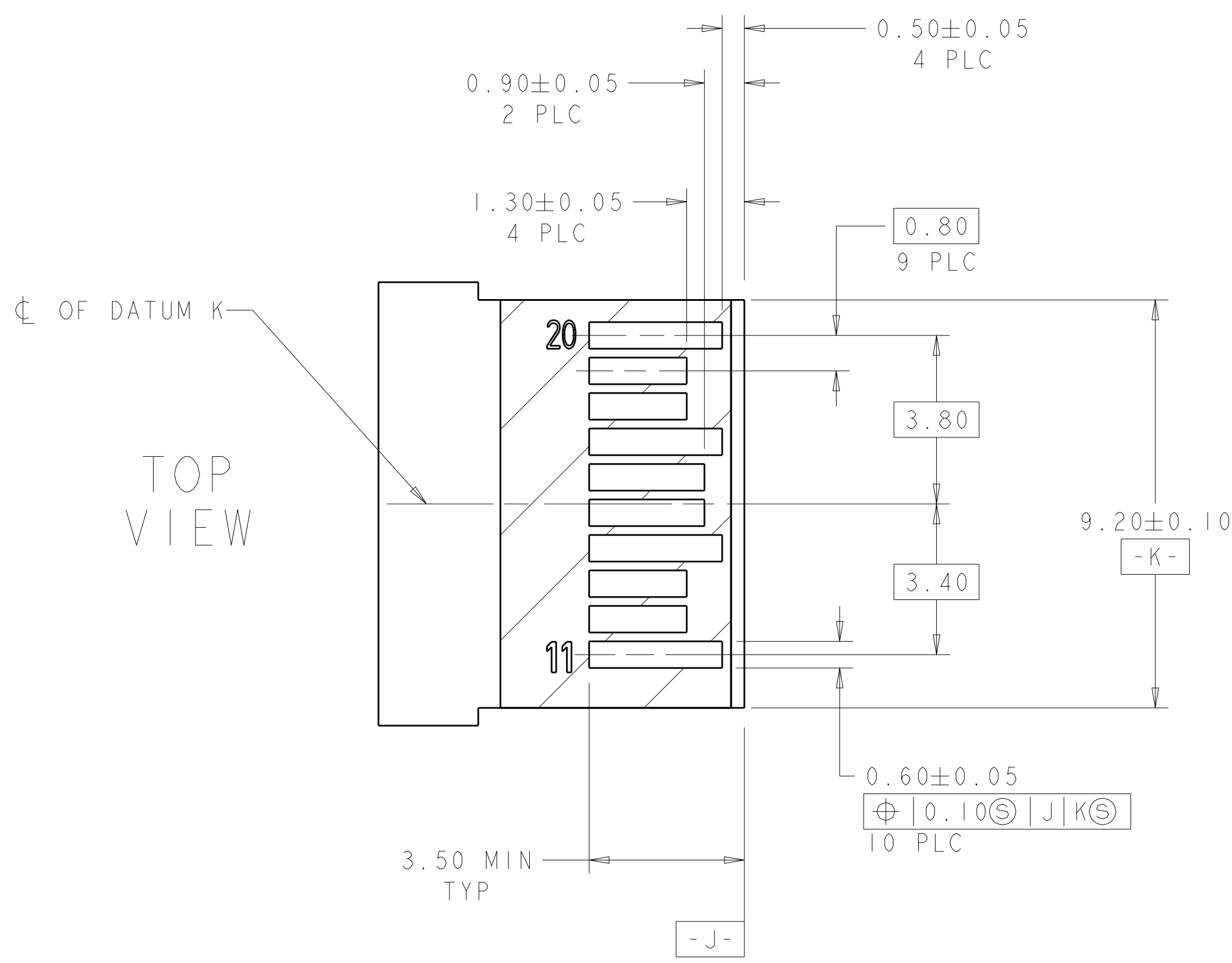
RECOMMENDED LAYOUT DETAIL
MATING TRANSCEIVER PCB
SCALE 10:1

⑤ -X-

⑤ X.XX

9.60

0.41

0.80
TYP

0.40

1.40
REF

0.95

0.95

0.81

PIN 11

Ø1.55±0.05
⊕ Ø 0.10 L X Y
2 PLC

PIN 20

2.00
⊕ 0.06 L E S F S
20 PLC

3.94

2.88

3.94

2.88

2.88

8.20

2.88

4.10
4.34

4.34

⑤
Y.YY

-F-
PIN 1

-E-

THE TRACE KEEP-OUT AREA

PIN 10

⑤
-Y-

0.41

0.95

0.81

0.95

7.20

1.00

0.50±0.03
⊕ 0.06 L E S F S
20 PLC
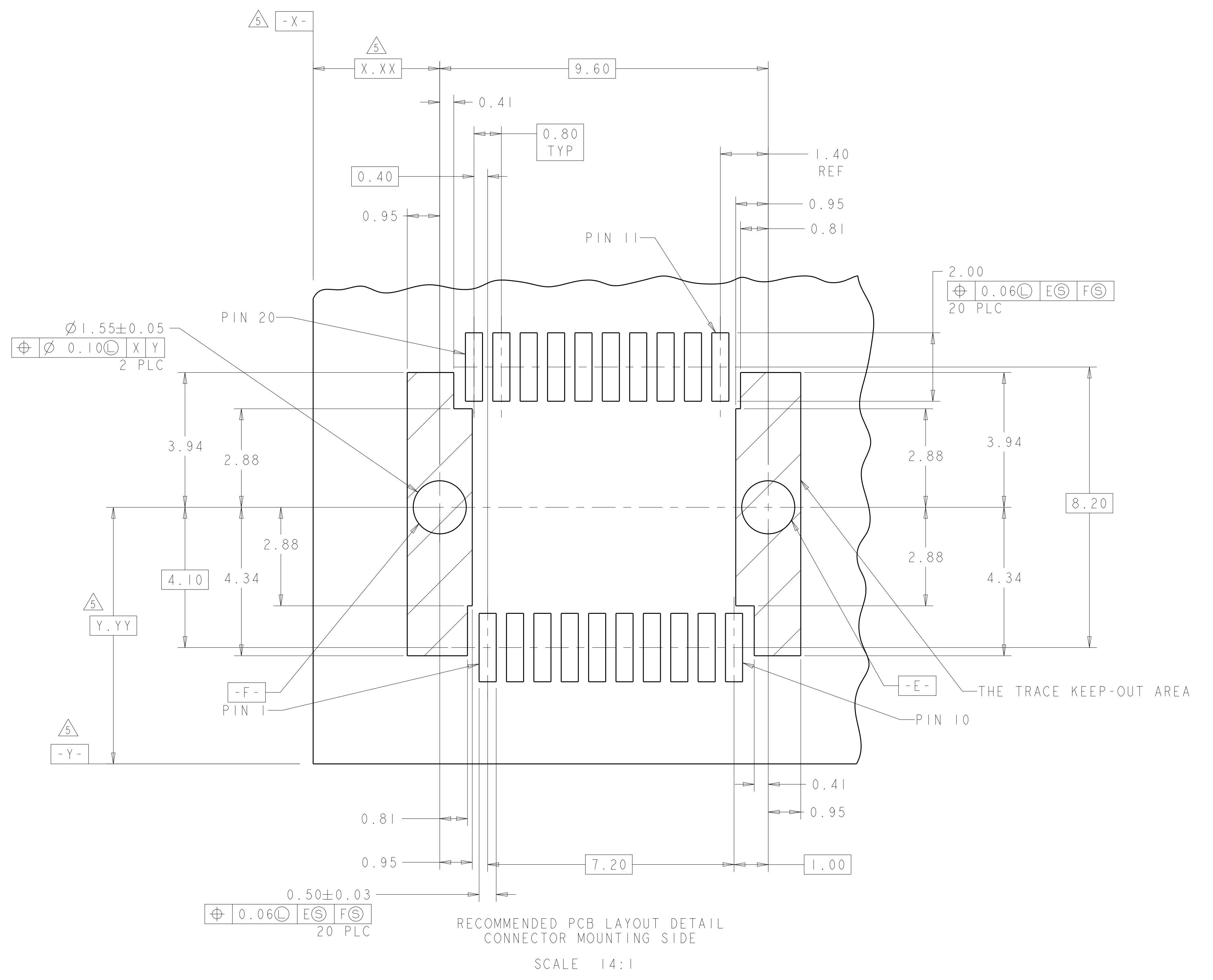
RECOMMENDED PCB LAYOUT DETAIL
CONNECTOR MOUNTING SIDE

SCALE 14:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±0.10
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL
FINISH

DWN	P. KERLIN	01MAR2000
CHK	E. BRIGHT	01MAR2000
APVD	E. BRIGHT	01MAR2000

PRODUCT SPEC
108-1949
APPLICATION SPEC
114-13017

WEIGHT -

TE TE Connectivity

NAME
PT CONNECTOR ASSEMBLY, 20 POSITION,
SFP, RTANG, 0.8MM

SIZE A
CAGE CODE 00779
DRAWING NO C-1367073
RESTRICTED TO -

SCALE 12:1
SHEET 2 OF 2
REV K

Customer Drawing

4805 (3/11)