



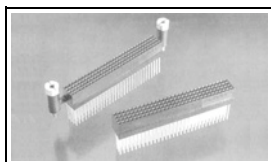
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## 1375800-4 Product Details

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**1375800-4**

TE Internal Number: 1375800-4

Active

[View 3D PDF](#)

### PC/104 and PC/104 Plus

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector
- 120 Positions
- 120 Loaded Positions
- Contact Configuration = Non-Stackthrough
- 2.00 mm Centerline

[View all Features](#)

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### Documentation & Additional Information

#### Product Drawings:

- [ASSEMBLY, PC/104-PLUS, NON-STACKTHROUGH CONTACTS, PR...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION1AND2](#) (PDF, English)

#### Product Specifications:

- [PC/104 and PC/104-Plus Connector Systems](#) (PDF, English)

#### Application Specifications:

- [PC/104 and PC/104-Plus Connectors](#) (PDF, English)

#### Instruction Sheets:

- None Available

#### CAD Files: [\(CAD Format & Compression Information\)](#)

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

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

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

#### Product Type Features:

- [Product Type](#) = Connector
- [Keyed](#) = No
- [PCB Mount Style](#) = Through Hole Press Fit
- [PCB Mount Retention Type](#) = Action/Compliant Tail
- [Board Standoff](#) = Without
- [Gender](#) = Receptacle

#### Electrical Characteristics:

- [Signal Contact Current \(A\)](#) = 3
- [Insulation Resistance \(MΩ\)](#) = 1,000
- [Dielectric Withstanding Voltage \(V\)](#) = 500

#### Termination Features:

- [Termination Post Length \(mm \[in\]\)](#) = 2.85 [0.112]

#### Contact Features:

- [Contact Configuration](#) = Non-Stackthrough
- [Contact Base Material](#) = Phosphor Bronze
- [Contact Plating, Mating Area, Material](#) = Gold

#### Housing Features:

- [Centerline \(mm \[in\]\)](#) = 2.00 [0.079]
- [Housing Material](#) = Nylon
- [Housing Color](#) = Black
- [UL Flammability Rating](#) = UL 94V-0

#### Configuration Features:

- [Number of Positions](#) = 120
- [Number of Loaded Positions](#) = 120

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant

#### Conditions for Usage:

- [Temperature Range \(°C\)](#) = -55 - +105

#### Other:

- [Brand](#) = AMP
- [Comment](#) = See Specific Info Link for information on a PC/104 Extraction Tool.; "Flat-rock" insertable

### Corporate Information

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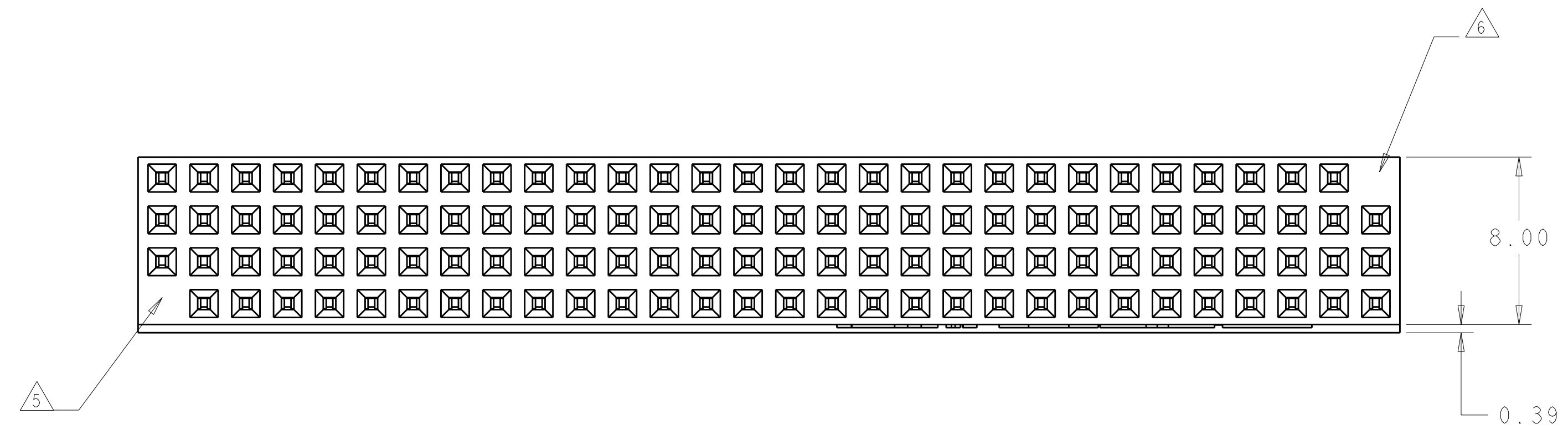
### Quick Links

[Distributor Inventory](#)  
[Product Cross Reference](#)  
[Documents & Drawings](#)

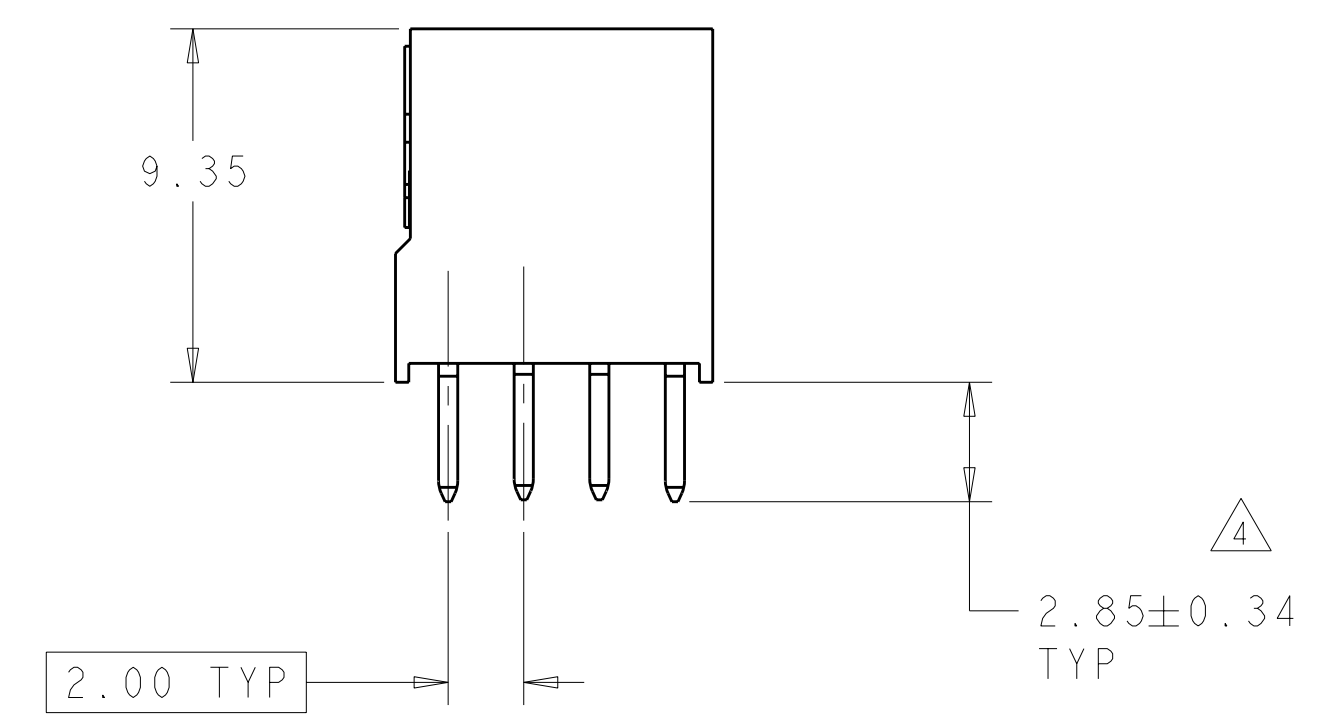
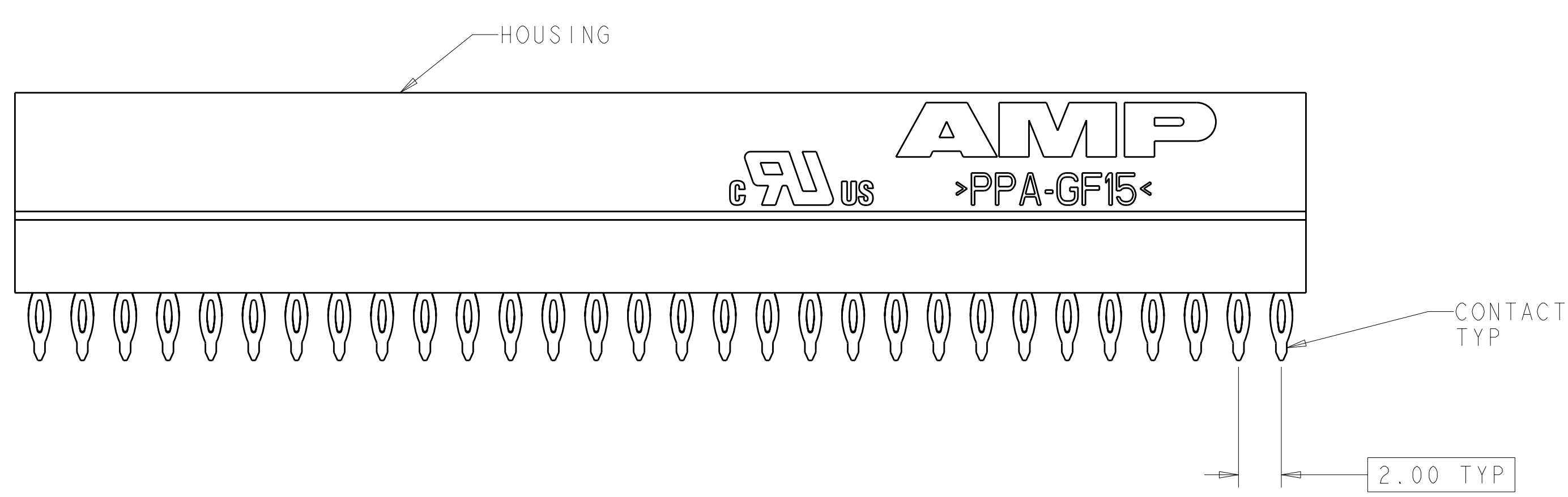
### Customer Support

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LOC	DIST	REV	DATE	BY	CHKD	APVD
AD	00	G2	23MAR2011	RK	HMR	



- △ HOUSING: HIGH TEMPERATURE, GLASS FILLED NYLON, COLOR: BLACK.  
CONTACTS: PHOSPHOR BRONZE.
- △ CONTACTS: 0.000381 MIN GOLD ON MATING RECEPTACLE END, 0.00254 BRIGHT TIN-LEAD ON REMAINDER, ALL OVER 0.001270 NICKEL.
- △ PCB HOLE RECOMMENDATIONS:  
A. DRILL HOLE DIAMETER TO BE 1.00±0.02.  
B. PLATING TO BE 0.005 MIN TIN-LEAD OVER 0.025-0.075 COPPER.  
C. RECOMMENDED FINISH HOLE SIZE IS 0.88±0.08.
- △ DIMENSION AFTER SEATING TO PCB.
- △ NO CONTACT IN THIS POSITION FOR 1375800-2 & -5 ONLY.
- △ NO CONTACT IN THIS POSITION FOR 1375800-3 & -6 ONLY.
- △ CONTACTS: 0.000381 MIN GOLD ON MATING RECEPTACLE END, 0.00254-0.00508 MATTE TIN ON REMAINDER, ALL OVER 0.001270 NICKEL.
- △ TO BE USED ON SILVER IMMERSION PLATED PCB'S (NOTE 9).
- △ PCB HOLE RECOMMENDATIONS FOR SILVER IMMERSION PLATING:  
A. DRILL HOLE DIAMETER TO BE 1.04±0.02.  
B. PLATING TO BE 0.0001524-0.0004064 SILVER OVER 0.0508±0.0254 COPPER.  
C. RECOMMENDED FINISH HOLE SIZE IS 0.94-1.03.
- △ PCB HOLE RECOMMENDATIONS FOR ENIG PLATING:  
A. DRILL HOLE DIAMETER TO BE 1.04±0.02.  
B. PLATING TO BE 0.000051-0.000127 GOLD OVER 0.00305-0.00610 NICKEL ALL OVER 0.0508±0.0254 COPPER.  
C. RECOMMENDED FINISH HOLE SIZE IS 0.94-1.03.
- △ TO BE USED ON STANDARD PCB (NOTE 3) OR ENIG PLATED PCB (NOTE 10).
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



REV	DESCRIPTION	DATE	BY	CHKD	APVD
△8	△7	YES △6			1375800-6
△8	△7	YES △5			1375800-5
△8	△7	NO			1375800-4
△11	△2	YES △6			1375800-3
△12 △11	△2	YES △5			1375800-2
△11	△2	NO			1375800-1
FINISH		KEYED CIRCUIT	PART NO		

△12 △11 SUPERCEDED BY 1375800-5

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: W.G. LENKER 20JUN2000  
 CHK: L. BREKOSKY 15JAN2001  
 APVD: J. OLSON 13JUN2001

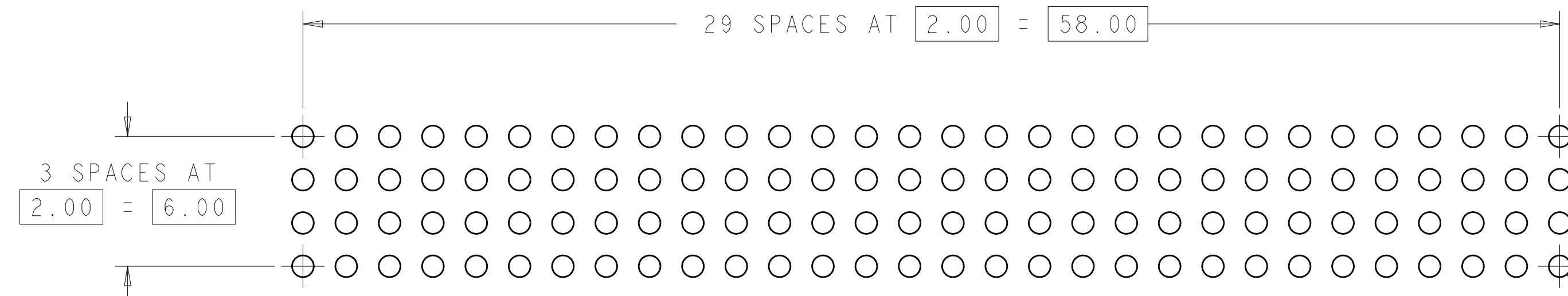
**STE** TE Connectivity

ASSEMBLY, PC/104-PLUS, NON-STACKTHROUGH CONTACTS, PRESS FIT

SIZE: A100779 C=1375800

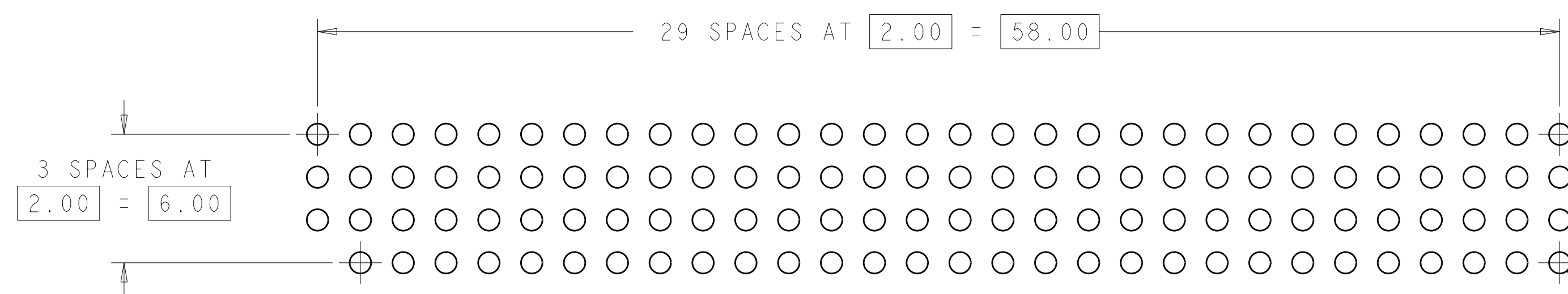
SCALE: 5:1 SHEET: 1 OF 2 REV: G2

LOC	DIST	REVISIONS			
AD	00	REV	DATE	BY	APPD
		-	SEE SHEET 1	-	-



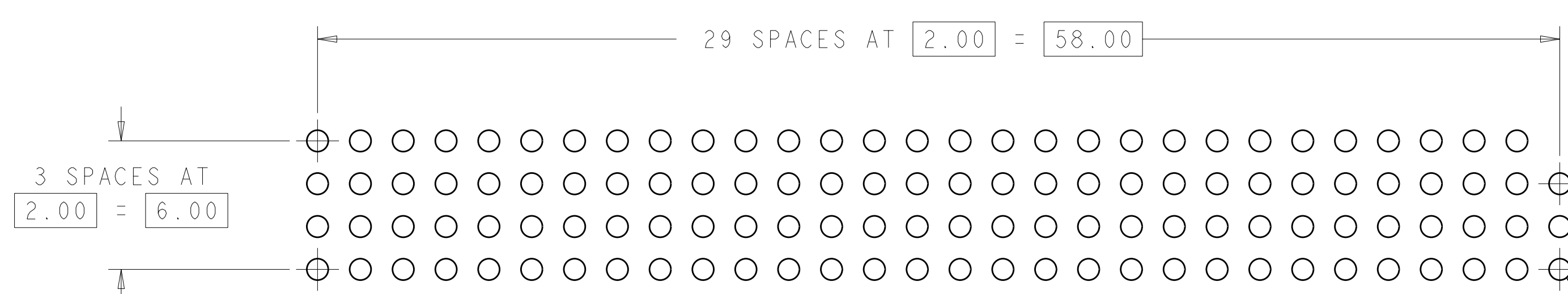
RECOMMENDED PCB LAYOUT  
FOR 1375800-2 & -4

HOLE DIA  $\begin{matrix} \triangle \\ 3 \\ \triangle \\ 9 \\ \triangle \\ 10 \end{matrix}$   
 $\oplus \text{ } \varnothing 0.10 \text{ } \textcircled{M}$   
 120 PLC



RECOMMENDED PCB LAYOUT  
FOR 1375800-2 & -5

HOLE DIA  $\begin{matrix} \triangle \\ 3 \\ \triangle \\ 9 \\ \triangle \\ 10 \end{matrix}$   
 $\oplus \text{ } \varnothing 0.10 \text{ } \textcircled{M}$   
 120 PLC



RECOMMENDED PCB LAYOUT  
FOR 1375800-3 & -6

HOLE DIA  $\begin{matrix} \triangle \\ 3 \\ \triangle \\ 9 \\ \triangle \\ 10 \end{matrix}$   
 $\oplus \text{ } \varnothing 0.10 \text{ } \textcircled{M}$   
 120 PLC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN W.G. LENKER CHK L. BREKOSKY APVD J. OLSON	20JUN2000 15JAN2001 13JUN2001	TE Connectivity
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ± 2 PLC ±0.13 5 PLC ± 4 PLC ± ANGLES ± FINISH		
MATERIAL		PRODUCT SPEC 108-1956 APPLICATION SPEC 114-13021		SIZE CAGE CODE DRAWING NO A100779C=1375800
		WEIGHT CUSTOMER DRAWING		RESTRICTED TO SCALE 99:20 SHEET 2 OF 2 REV G2