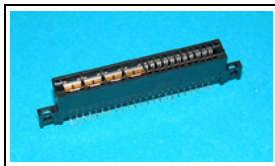


## 5645169-2 Product Details



**5645169-2**

TE Internal Number: 5645169-2



### Standard Edge II Card Edge & Power Connectors

 Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector
- Product Series = Standard Edge II
- Type of Connector = Special 18/31 Dual Combination
- 2.54 mm Centerline
- 52 Dual Positions

### Documentation & Additional Information

#### Product Drawings:

- [CONNECTOR ASSEMBLY, STANDARD EDGE II, 2.54 \[.100\]](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- [Connector, Standard Edge](#) (PDF, English)

#### Application Specifications:

- None Available

#### 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](#)

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

#### Product Type Features:

- Product Type = Connector
- Product Series = Standard Edge II
- Type of Connector = Special 18/31 Dual Combination
- Post Type = Solder Post
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- PCB Retention Location = 5, 6, 31, 32, 41, 42, 93, 94

#### Mechanical Attachment:

- Mounting Ears = Without

#### Electrical Characteristics:

- High Current = No

#### Termination Features:

- Termination Post Length (mm [in]) = 3.18 [0.125]
- Solder Tail Contact Plating = Tin

#### Body Features:

- Retention Latch = Without

#### Contact Features:

- Contact Plating, Mating Area, Material = Gold (30)
- Contact Base Material = Phosphor Bronze
- Underplate Material = Nickel

#### Housing Features:

- Centerline (mm [in]) = 2.54 [0.100]
- Housing Material = Polyester GF
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

#### Configuration Features:

- Number of Dual Positions = 52
- Positions Unloaded = None

#### Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

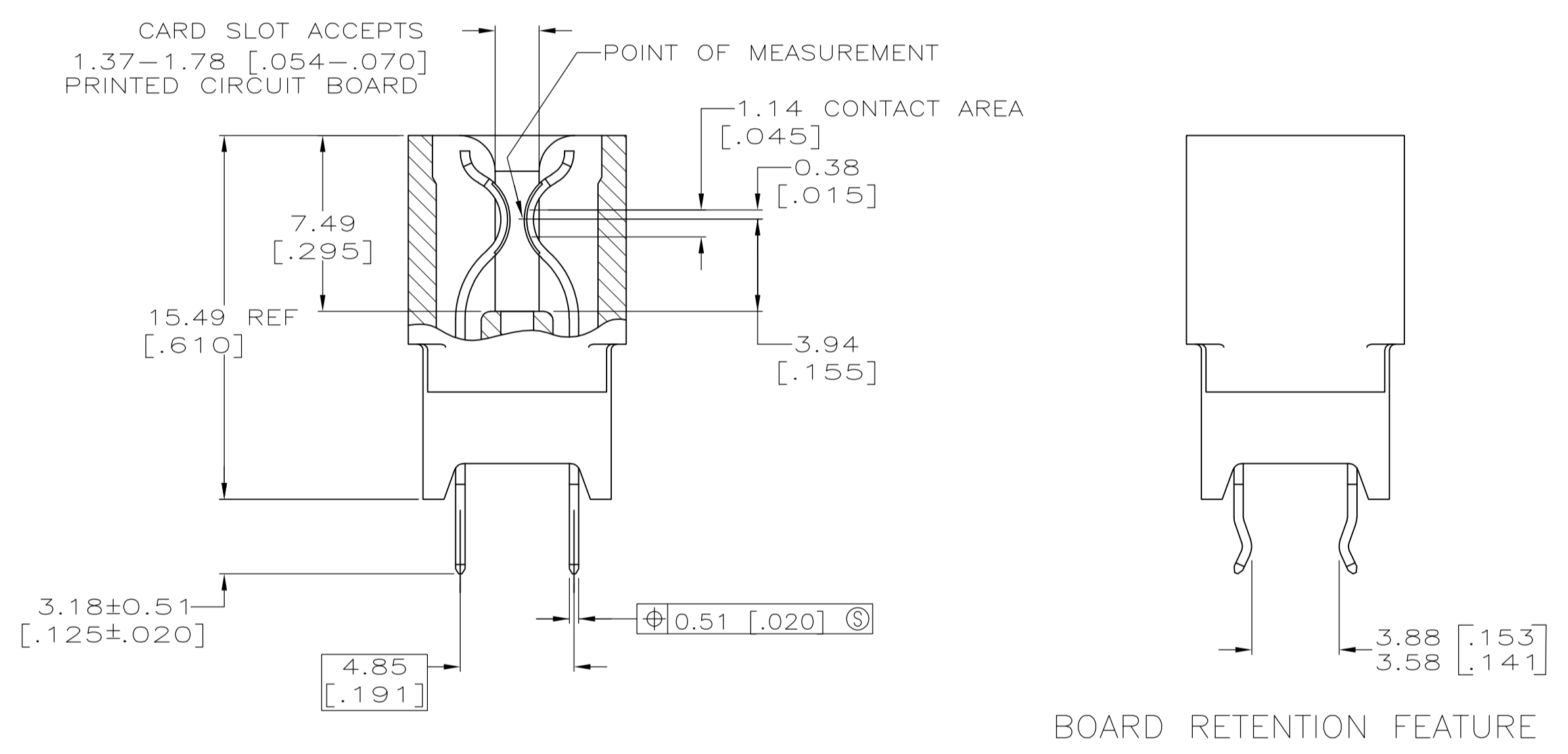
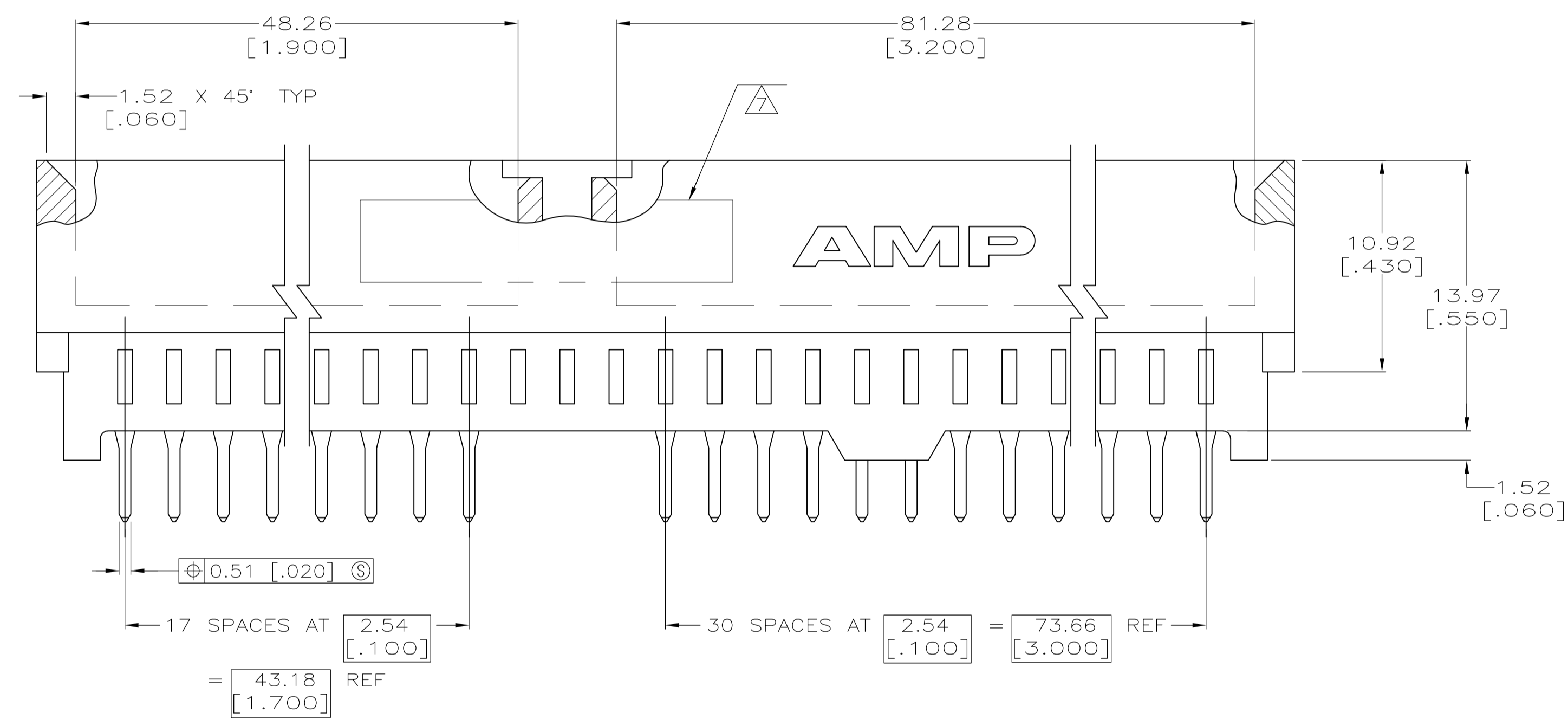
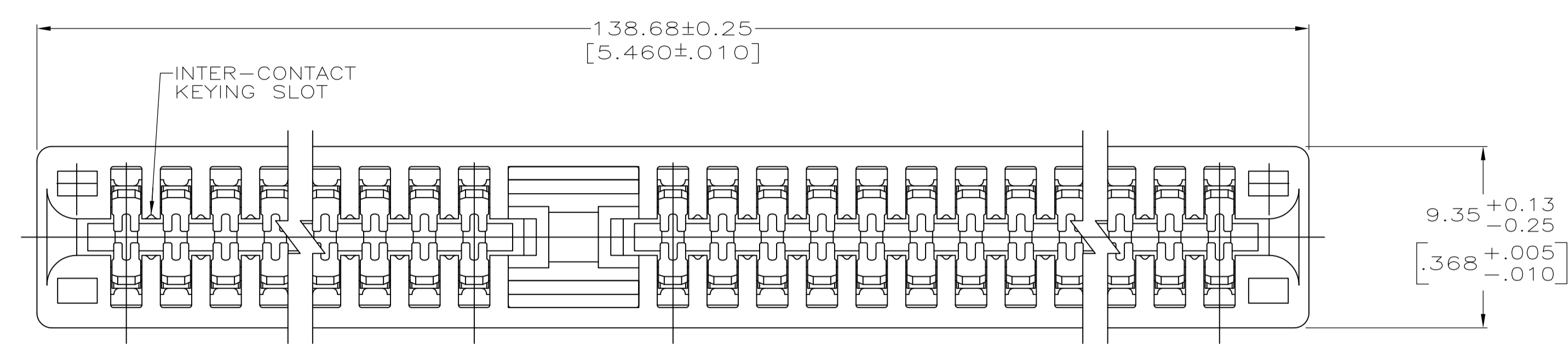
#### Identification Marking:

- Keyed Position = 0

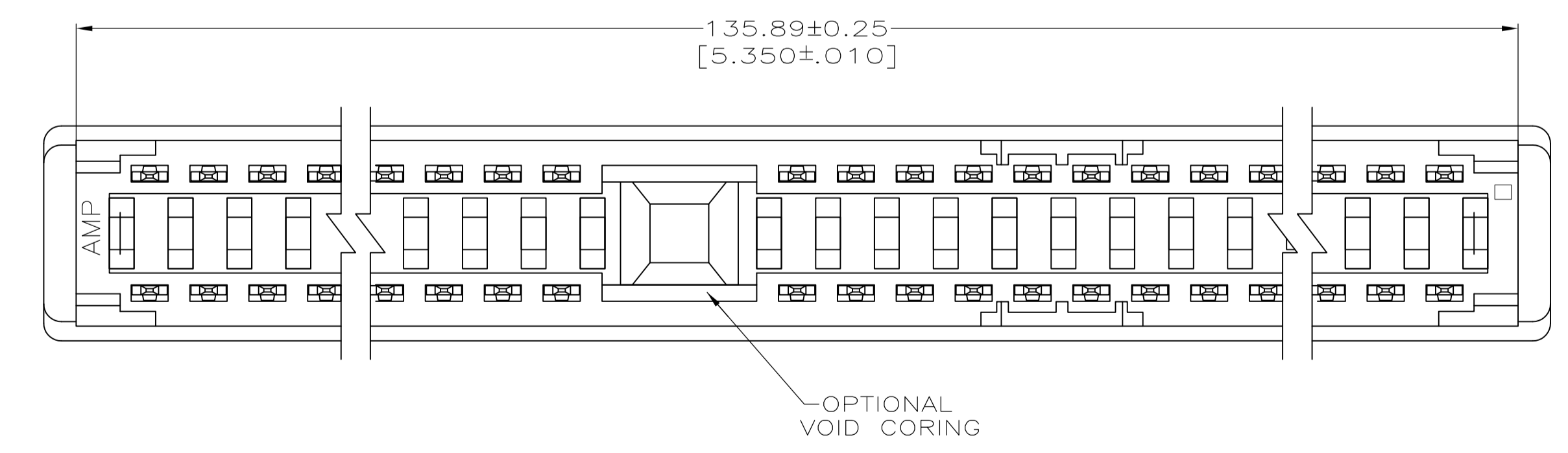
#### Other:

- Brand = AMP

- 1 HOUSING: GLASS FILLED POLYESTER; COLOR: BLACK.
- 2 CONTACT: PHOSPHOR BRONZE.
- 3 NICKEL PLATE: 0.00127 [.000050] MIN - ALL OVER.
- 4 MATTE TIN PLATE: 0.00254 [.000100] MIN-SOLDER POSTS.
- 5 GOLD PLATE: 0.00076 [.000030] MIN - CONTACT AREA.
- 6 NICKEL PLATE PER MIL-G-45204. GOLD PLATE PER QQ-N-290.
- 7 AMP PART NUMBER, DATE CODE AND CSA LOGO ARE MARKED IN APPROXIMATE AREA SHOWN, EITHER SIDE.
- 8. RECOMMENDED PCB FINISHED HOLE DIA: 1.02±0.08 [.040±.003].
- 9. THE RETENTIVE FEATURE OF THIS CONNECTOR IS DESIGNED FOR FULL SEATING IN .062±.008 THICK CIRCUIT BOARDS. FOR APPLICATIONS IN BOARDS OF OTHER THICKNESSES CONTACT AMP INCORPORATED.
- 10 PACKAGED 20 CONNECTORS PER TUBE.
- 11 PACKAGED 72 CONNECTORS PER EPS TRAY.
- 12 GOLD PLATE: 0.00038 [.000015] MIN - CONTACT AREA.
- 13 PACKAGED IN SLIDE PACK.
- 14 PACKAGE 57 CONNECTORS IN TUBES.
- 15 DATUMS AND BASIC DIMENSIONS TO BE DETERMINED BY CUSTOMER.



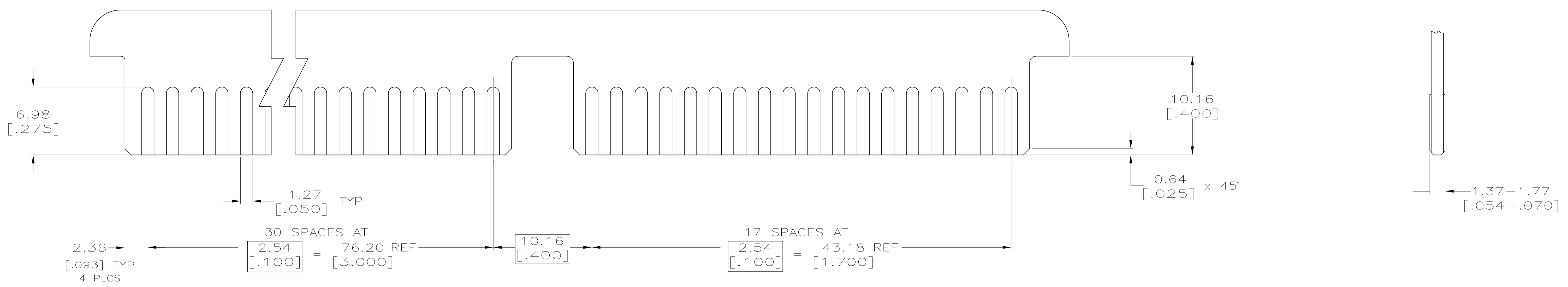
BOARD RETENTION FEATURE



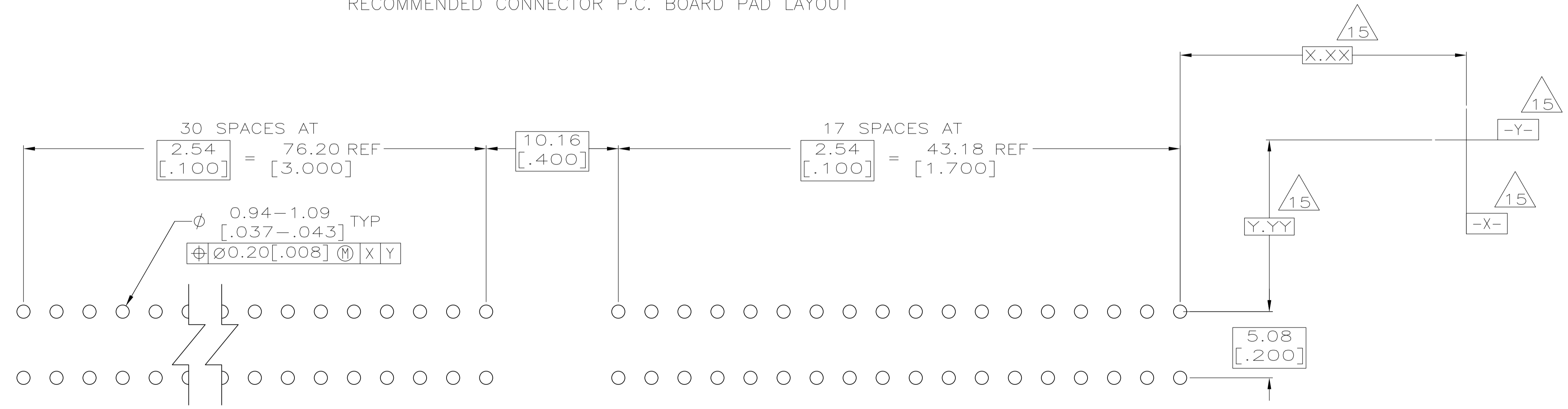
NOTE 5	NOTE 11	5,6,31,32,41,42,93,94	49	5645169-4
NOTE 5	NOTE 11	-	49	5645169-3
NOTE 5	NOTE 11	5,6,31,32,41,42,93,94	49	5645169-2
PLATING	PACKAGE	BOARD RETENTION LOCATION	NO OF POSN	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: AL FRANTUM 14 JUN 05	TE Connectivity	
DIMENSIONS: mm		CHK: AL FRANTUM 14 JUN 05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD:	NAME: CONNECTOR ASSEMBLY, STANDARD EDGE II, 2.54 [.100]	
0. PLC ± - 1. PLC ± - 2. PLC ± 0.13 [.005] 3. PLC ± - 4. PLC ± - ANGLES ± °		PRODUCT SPEC: 108-9039	SIZE: A1	
MATERIAL: 1 2		FINISH: 3 4 5	WEIGHT: A1 00779 5645169	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 1 OF 2	REV: A1



RECOMMENDED CONNECTOR P.C. BOARD PAD LAYOUT



RECOMMENDED CONNECTOR P.C. BOARD HOLE PATTERN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DN AL FRANTUM 14 JUN 05	TE Connectivity
		CHK AL FRANTUM 14 JUN 05	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	NAME
	0 PLG ± -	PRODUCT SPEC	CONNECTOR ASSEMBLY, STANDARD EDGE II, 2.54 [0.100]
	1 PLG ± -	108-9039	
	2 PLG ± 0.13 [0.005]	APPLICATION SPEC	SIZE
	3 PLG ± -		A1
	4 PLG ± -		CAGE CODE
	ANGLES ± -		DRAWING NO
MATERIAL SEE SHEET 1	FINISH SEE SHEET 1	WEIGHT	5645169
		CUSTOMER DRAWING	SCALE 5:1 SHEET 2 OF 2 REV A1