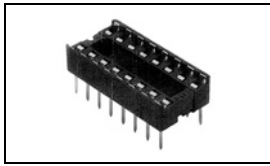


2-644018-2 Product Details

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2-644018-2

TE Internal Number: 2-644018-2

 Pending Obsolescence

[Search for Replacement Parts](#)

DIP Sockets

 5 of 6 EU RoHS/ELV Compliant ([Find RoHS Compliant Alternates/Statement of Compliance](#))

Product Highlights:

- Socket Style = Standard
- Through Hole Contact Termination Type
- 2.54 mm Centerline
- Row-to-Row Spacing = 15.49 mm
- 32 Positions

[View all Features](#)

Quick Links

- [Pricing & Availability](#)
- [Search for Tooling](#)
- [Product Feature Selector](#)
- [Contact Us About This Product](#)

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Documentation & Additional Information

Product Drawings:

- [SOCKET ASSY, DIP, OTC, 32 POS, DIPLOMATE DL \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- [DIPLOMATE DL \(DUAL LEAF\) DIP SOCKET \(REFLOW COMPATIBLE\) \(PDF, English\)](#)

Instruction Sheets:

- None Available

CAD Files:

- None Available

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

[List all Documents](#)

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

Product Type Features:

- [Profile](#) = Over-The-Component
- [Frame Style](#) = Open
- [Leg Style](#) = Straight
- Color = Black
- Qty. Tubes/Box = 100
- Product Series = Standard

Electrical Characteristics:

- Insulation Resistance (MΩ) = 10,000
- Contact Resistance (mΩ) = 30

Termination Features:

- [Contact Termination Type](#) = Through Hole
- [Termination Post Length \(mm \[in\]\)](#) = 3.25 [0.128]

Dimensions:

- [Height Above PC Board \(mm \[in\]\)](#) = 5.33 [0.210]

Body Features:

- [Row-to-Row Spacing \(mm \[in\]\)](#) = 15.49 [0.610]
- [Mount Style](#) = Vertical

Contact Features:

- [Socket Style](#) = Standard
- [Contact Base Material](#) = Beryllium Copper
- [Contact Plating, Mating Area, Material](#) = Gold (30)
- [Contact Style](#) = Stamped + Formed
- [Mating Contact Type](#) = Dual Leaf
- Solder Tail Contact Plating = Tin-Lead

Housing Features:

- [Centerline \(mm \[in\]\)](#) = 2.54 [0.100]
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0

Configuration Features:

- [Number of Positions](#) = 32

Industry Standards:

- [RoHS/ELV Compliance](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C

Conditions for Usage:

- Temperature Range (°C) = 125

Operation/Application:

- Application = Production

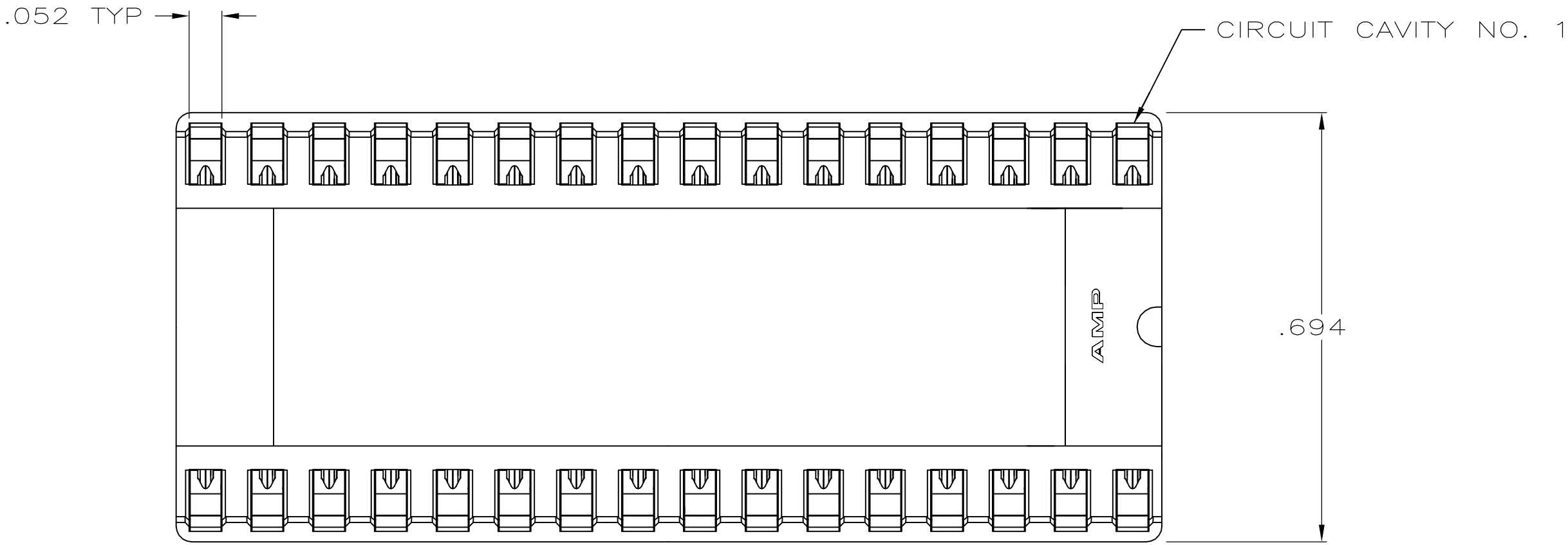
Packaging Features:

- [Packaging Method](#) = Tube
- Qty./Tube = 13

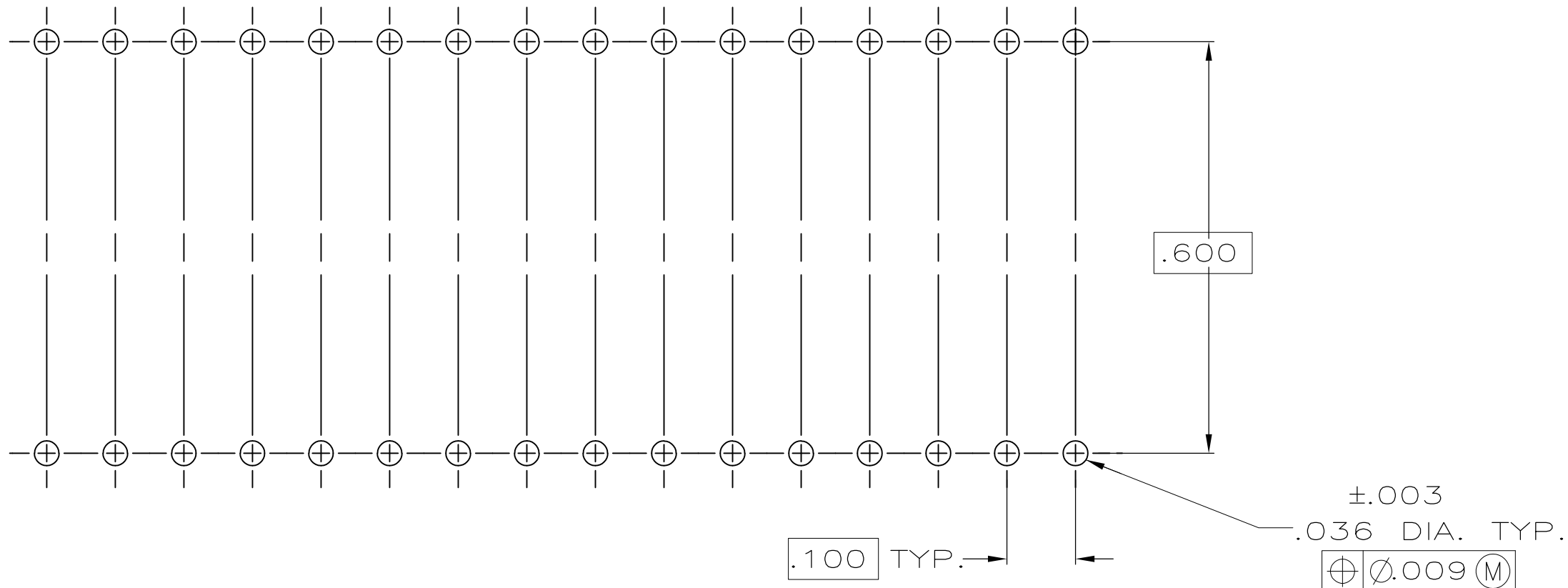
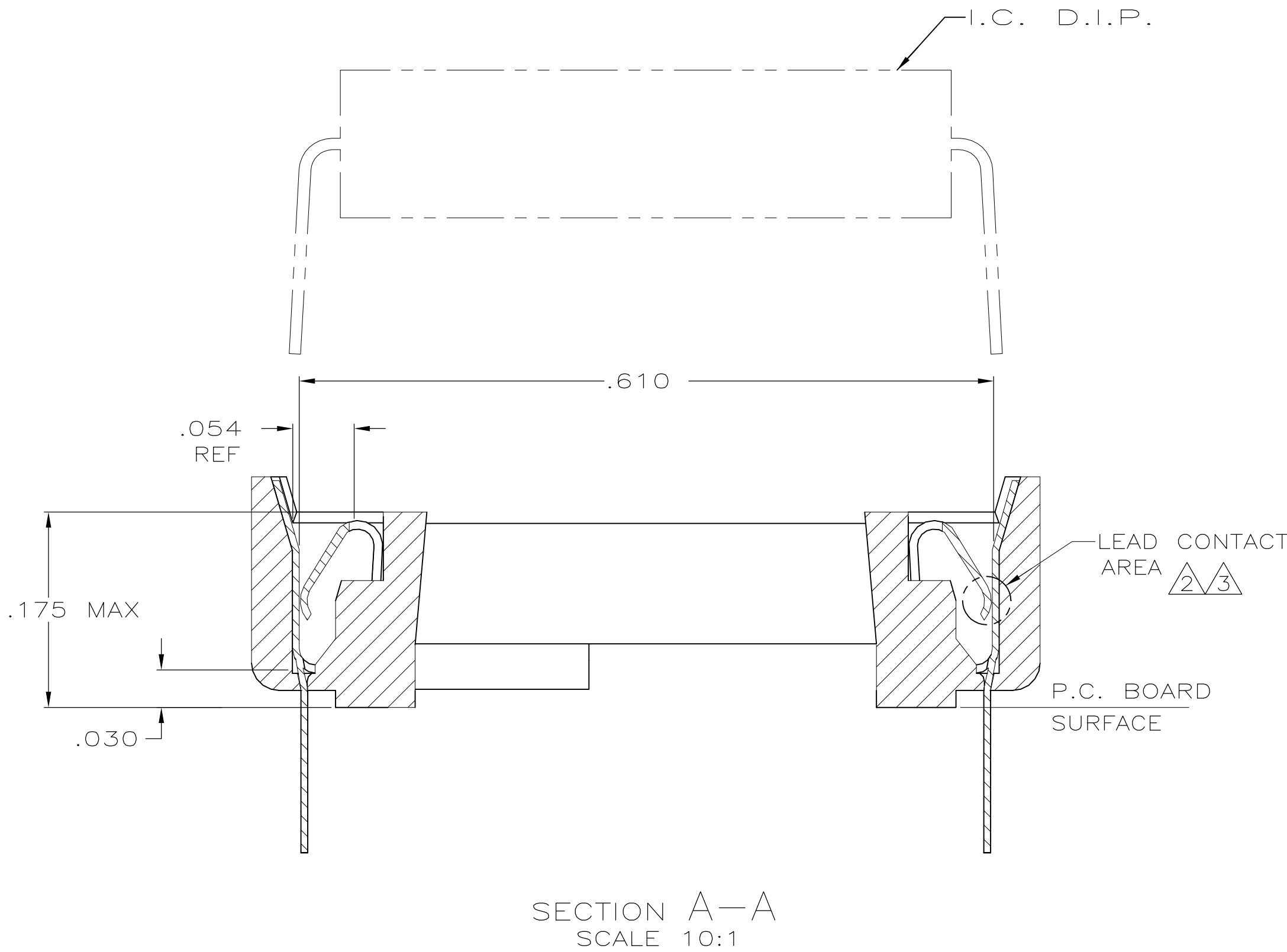
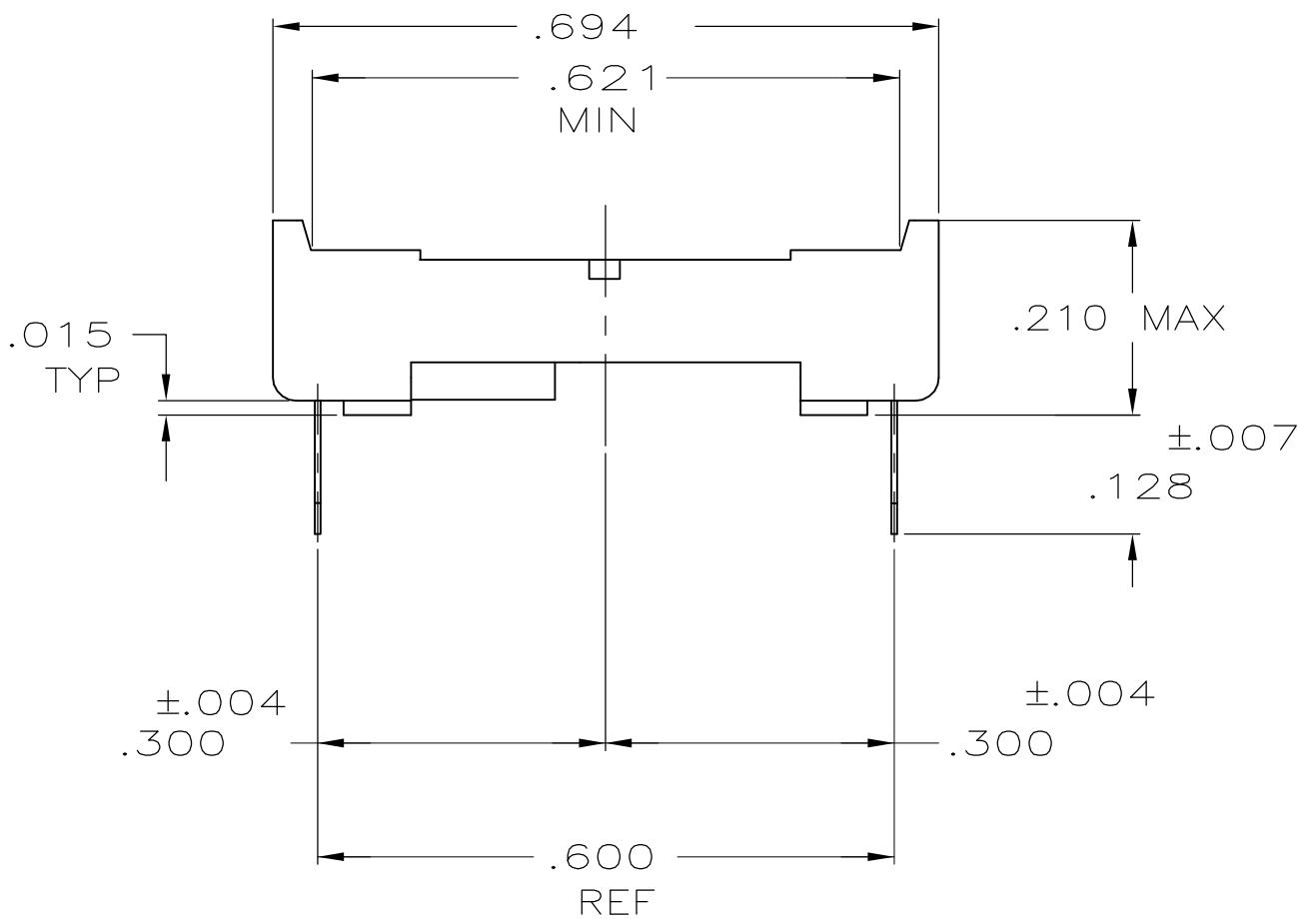
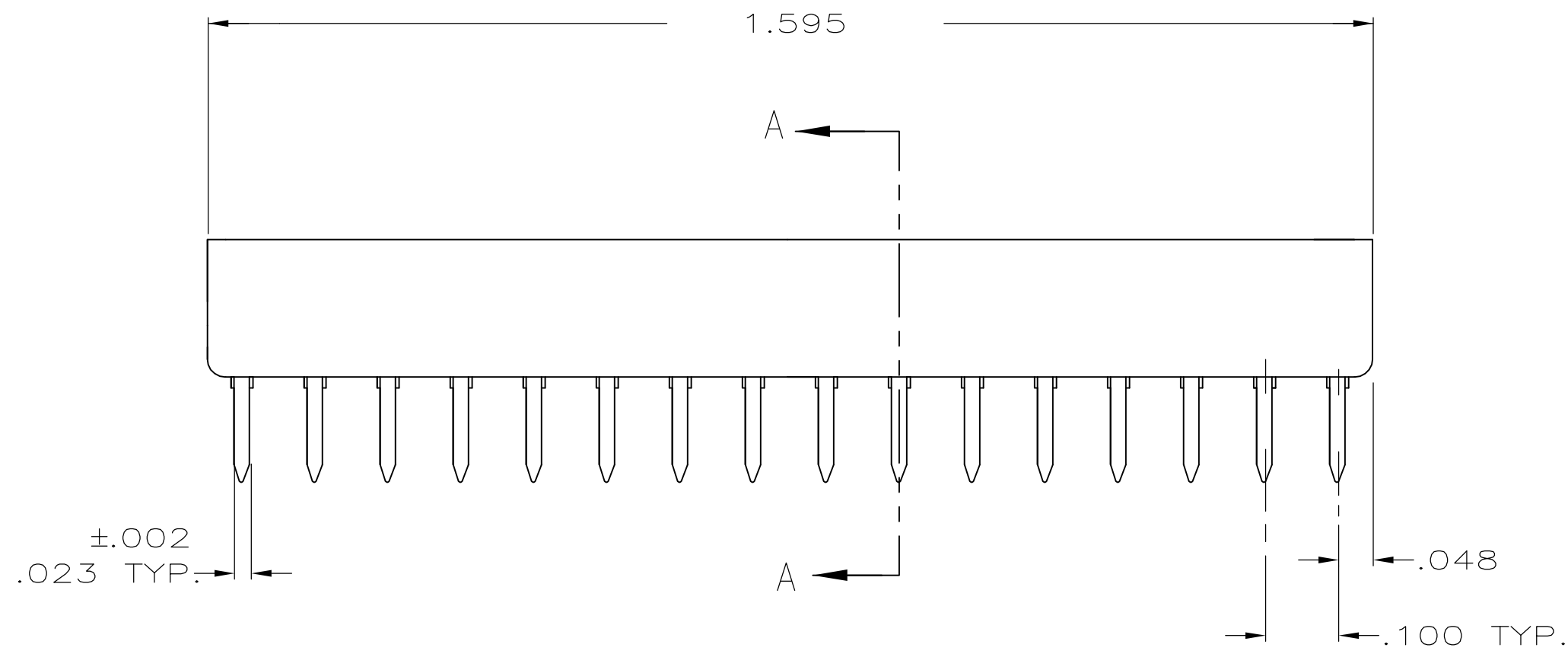
Other:

- Brand = AMP
- Proprietary Name = DIPLOMATE DL
- Comment = Recommended IC Leg Length: 1) 2.54 [.100] min. for a reliable contact surface. 2) 3.05 [.120] max. to allow IC body to seat on socket. 3) Longer legs may be used, but IC cannot be fully seated on seating plane.

LOC	DIST	REVISIONS				
AD	0	P	LTR	DESCRIPTION	DATE	DWN
		V1		REVISED PER ECO-11-005027	23MAR11	RK



- 1. RECEPTACLE ACCEPTS AN .008-.014 THK. I.C. LEAD.
- △ TWO .000030 MIN.THK.GOLD STRIPES IN CONTACT AREA, TIN-LEAD(93-7) ON CONTACT LEGS, BALANCE OF CONTACT NICKEL PLATED.
- △ TWO .000015 MIN.THK.GOLD STRIPES IN CONTACT AREA, TIN-LEAD(93-7) ON CONTACT LEGS, BALANCE OF CONTACT NICKEL PLATED.
- 4. TUBE LOADED FOR AUTOMATIC INSERTION
- △ SPECIAL PACKAGING.
- △ SEE RESTRICTED CUSTOMER DRAWING 4-644018-3.



SUPSD BY 390262-3	TINNED	PHOS.BRZ.	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	5-644018-3
△ OBSOLETE	-	-	-	△
OBSOLETE	TINNED	PHOS.BRZ. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	2-644018-5
	△	PHOS.BRZ.	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	2-644018-4
SUPSD BY 390263-2	TINNED	PHOS.BRZ.	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	2-644018-3
	△	BE.CU.	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	2-644018-2
SUPSD BY 390263-2	TINNED	BE.CU.	GLASS-FILLED THERMOPLASTIC, 94V-O, BLACK	2-644018-1
	CONTACT FINISH	CONTACT MAT'L	HOUSING MATERIAL	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. CYRUS CHK R. MILLER APVD J. GRAY	14 MAY 97	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-1066 APPLICATION SPEC 114-1049		SIZE A1	
MATERIAL SEE TABLE		WEIGHT -		DRAWING NO 00779	
SEE TABLE		CUSTOMER DRAWING		SCALE 5:1	
		SHEET 1 OF 1		REV V1	