This browser does not have Java enabled.

My Cart | My Part Lists | Sign In/Register   English (Change)
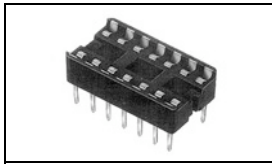
Have a Question?
Chat with a Product
Information Specialist

What can we help you find?

Products   Industries   Resources   About TE   My Account   Innovation   Support Center

2-641611-1 Product Details

Share   Print   Email

DIP Sockets

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Socket Style = Standard
- Through Hole Contact Termination Type
- 2.54 mm Centerline
- Row-to-Row Spacing = 7.87 mm
- 18 Positions

2-641611-1

TE Internal Number: 2-641611-1

✓ Active

View all Features

Add to My Part List   Request Sample   Find Similar Products   Buy Product

Quick Links

- Pricing & Availability
- Search for Tooling
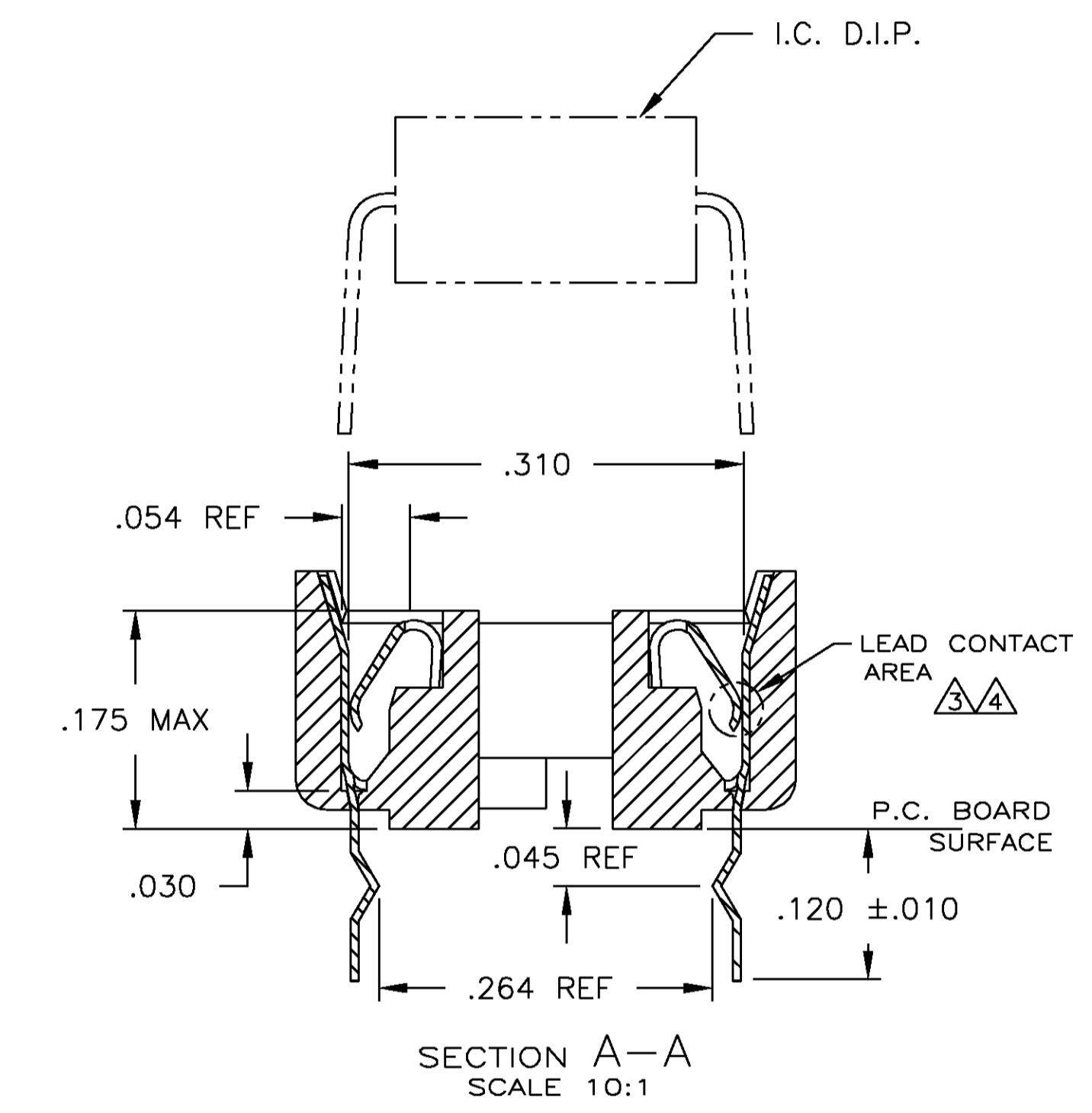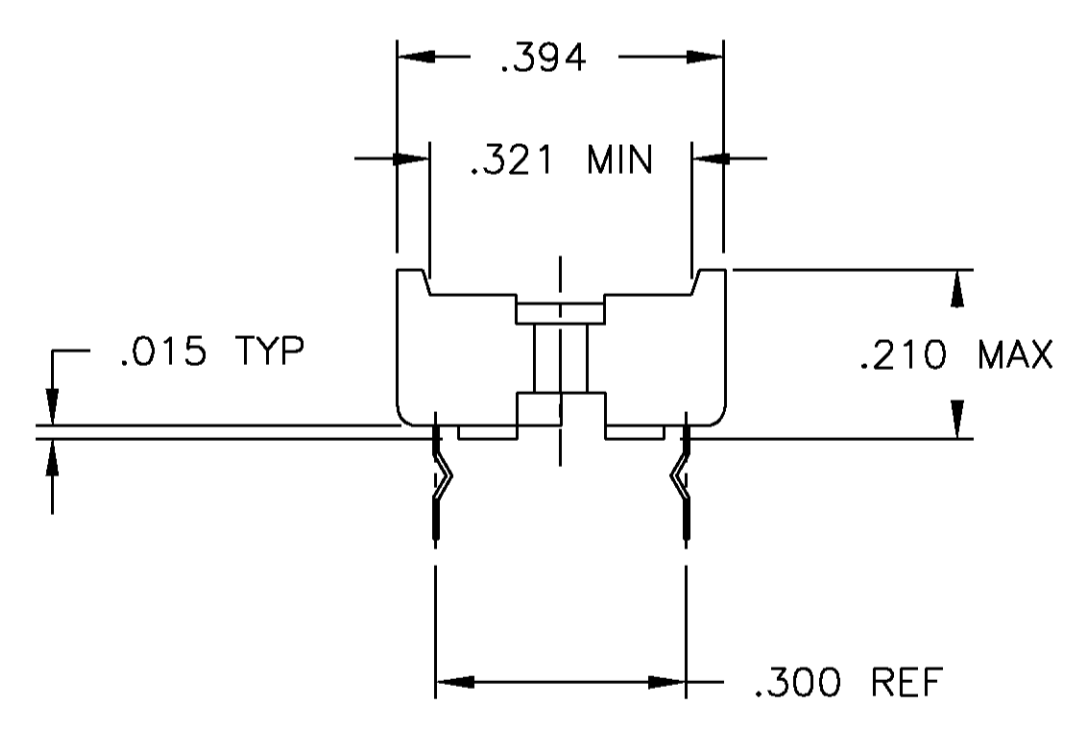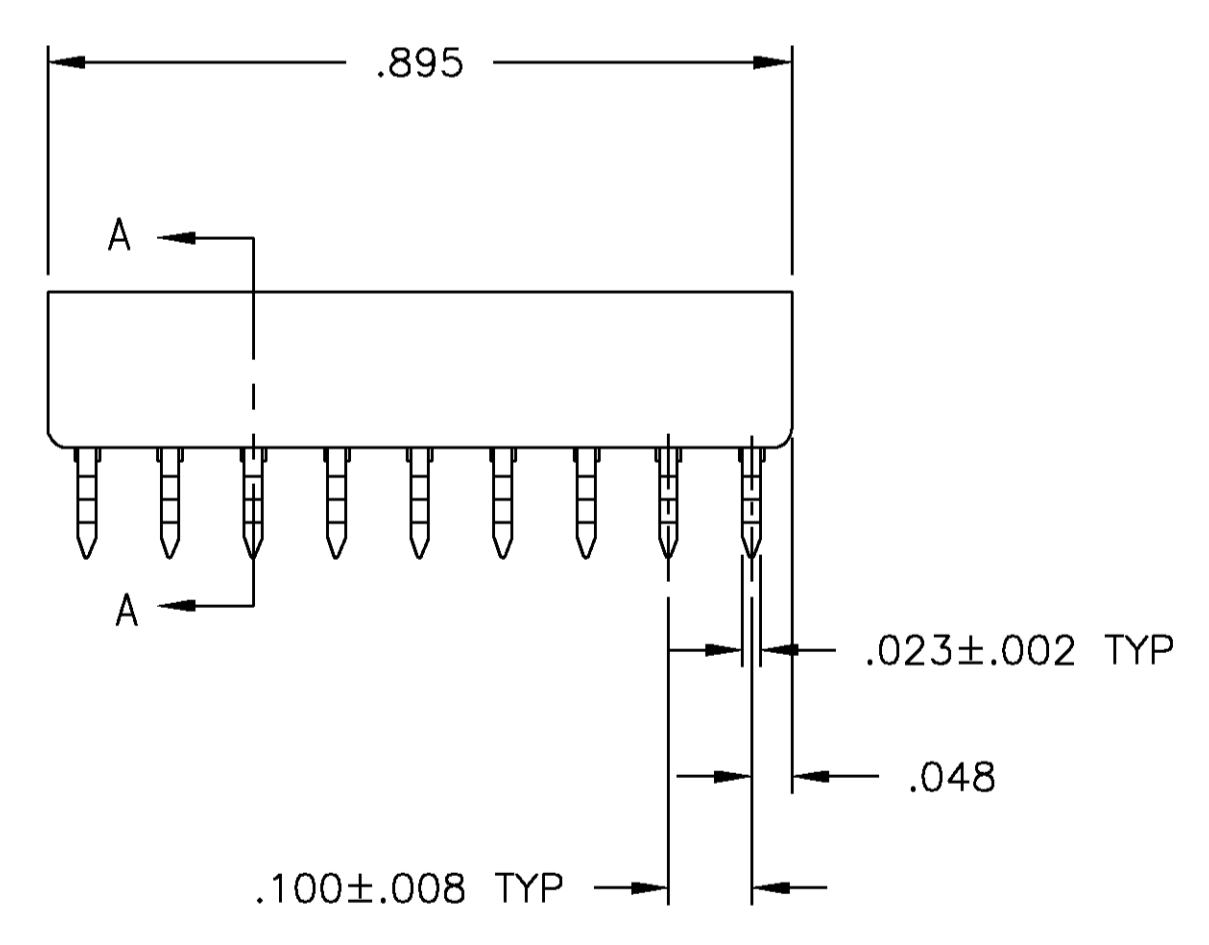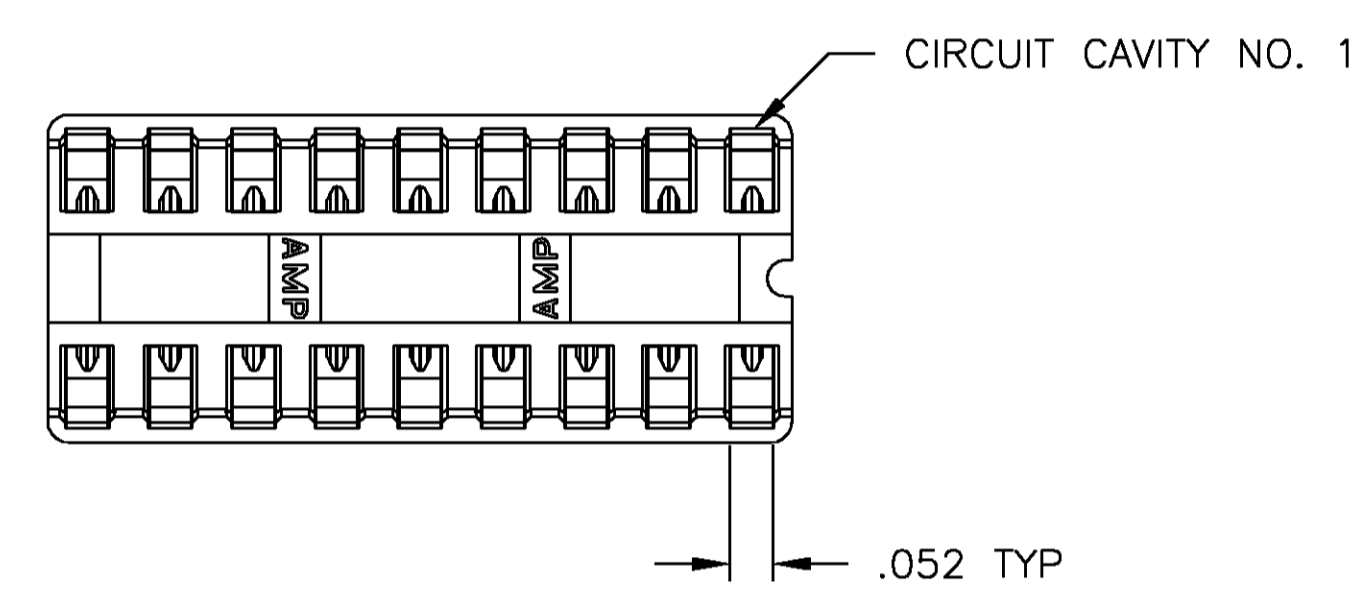- Product Feature Selector
- Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- SOCKET ASSY, DIP, LADDER, RET LEG, 18 POS, DIPLOMATE... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- DIPLOMATE Dual Leaf (DL) Low-Profile DIP Sockets (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:
- Socket Style = Standard
- Profile = Standard
- Frame Style = Ladder
- Leg Style = Retention
- 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]) = 3.05 [0.120]
- Solder Tail Contact Plating = Tin

Dimensions:
- Height Above PC Board (mm [in]) = 5.33 [0.210]

Body Features:
- Row-to-Row Spacing (mm [in]) = 7.87 [0.310]
- Mount Style = Vertical

Contact Features:
- Contact Base Material = Beryllium Copper
- Contact Plating, Mating Area, Material = Tin
- Contact Style = Stamped + Formed
- Mating Contact Type = Dual Leaf

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

Configuration Features:
- Number of Positions = 18

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

Conditions for Usage:
- Temperature Range (°C) = 105

Operation/Application:
- Application = Production

Packaging Features:
- Packaging Method = Tube
- Qty./Tube = 23

Other:
- Brand = AMP
- Proprietary Name = DIPLOMATE DL
- Comment = ONLY sockets with straight solder tails are recommended for automatic insertion.

LOC FT 64   DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
W		REV PER OG3C-0214-99	28AUG00	RB	HW

1. RECEPTACLE ACCEPTS A .008-.014 THICK I.C. LEAD.

2. TUBE LOADED.

3. TWO .000030 MIN THK. GOLD STRIPES IN CONTACT AREA WITH TIN-LEAD (93/7) ON CONTACT LEGS, BALANCE OF CONTACT NICKEL PLATED.

4. TWO .000015 MIN THK. GOLD STRIPES IN CONTACT AREA WITH TIN-LEAD (93/7) ON CONTACT LEGS, BALANCE OF CONTACT NICKEL PLATED.

CIRCUIT CAVITY NO. 1

AMP   AMP

.052 TYP

I.C. D.I.P.

.310
.054 REF
.175 MAX
.030
.045 REF
.264 REF
.120 ±.010

LEAD CONTACT AREA 3 4

P.C. BOARD SURFACE

SECTION A-A
SCALE 10:1

.895

A   A

.023±.002 TYP
.048
.100±.008 TYP

.394
.321 MIN
.015 TYP
.210 MAX
.300 REF

Ø.036±.003 TYP
⊕ Ø.009 Ⓜ
.300
.100 TYP

RECOMMENDED MOUNTING HOLE PATTERN
SCALE 4:1
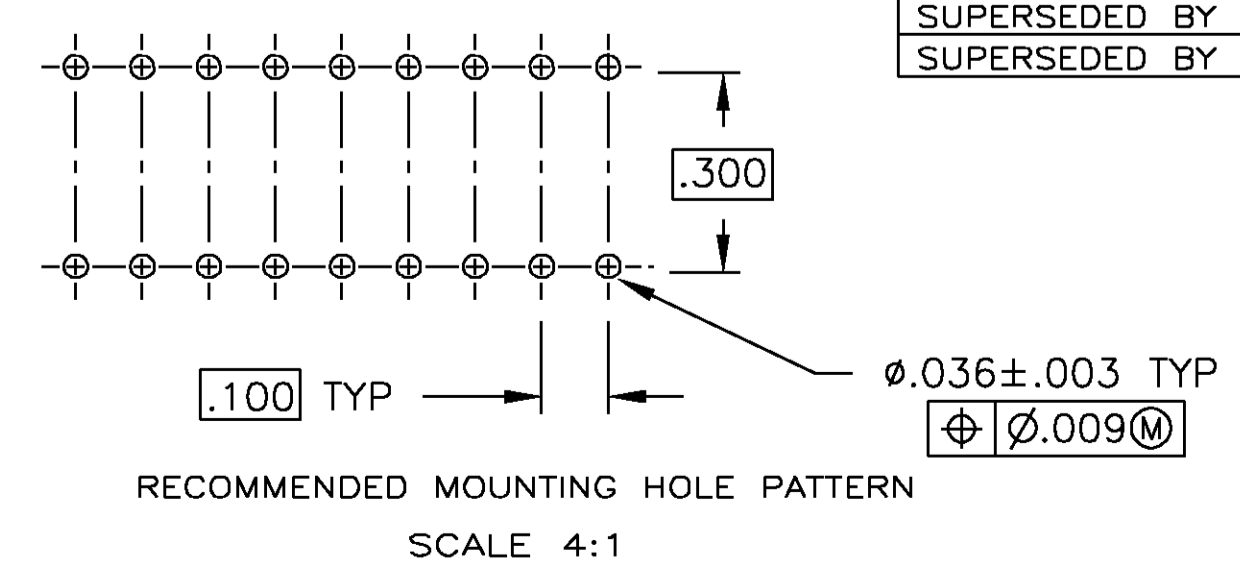
	CONTACT FINISH	CONTACT MAT'L	HOUSING MATERIAL	PART NO.
SUPERSEDED BY 2-641611-3	TINNED	PHOS.BRZ. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-0, BLACK	2-641611-5
SUPERSEDED BY 2-641611-2		PHOS.BRZ. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-0, BLACK	2-641611-4
	TINNED	PHOS.BRZ. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-0, BLACK	2-641611-3
OBSOLETE		BE.CU. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-0, BLACK	2-641611-2
	TINNED	BE.CU. .006 THK	GLASS-FILLED THERMOPLASTIC, 94V-0, BLACK	2-641611-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN R BROWN	28AUG00	Tyco Electronics Corporation
		CHK H. WYNKOOP	28AUG00	Harrisburg, PA 17105
	0 PLC ± -	APVD H. WYNKOOP	28AUG00	NAME
	1 PLC ± -	PRODUCT SPEC		SOCKET ASSY, DIP, LADDER,
	2 PLC ± -	108-1066		RET LEG, 18 POS, DIPLOMATE™ DL
	3 PLC ± .005	APPLICATION SPEC		–
	4 PLC ± -	114-1049		
	ANGLES ± -		SIZE A1	CAGE CODE 00779	DRWING NO C-641611	RESTRICTED TO –
MATERIAL SEE TABLE	FINISH SEE TABLE	WEIGHT –		
		CUSTOMER DRAWING		SCALE 5:1	SHEET	REV W