



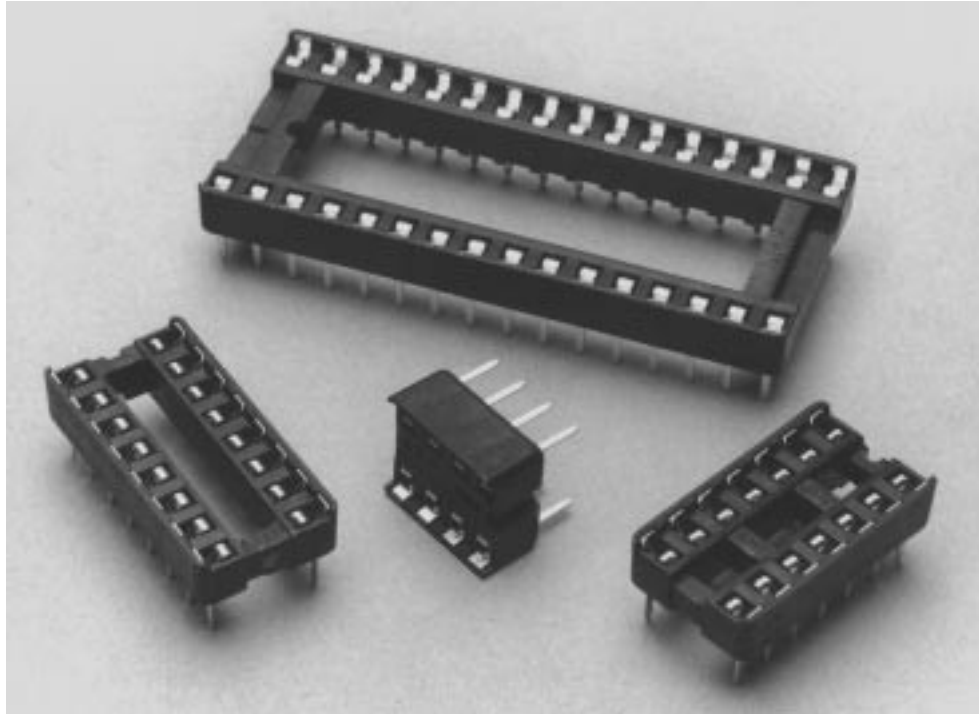
Table of Contents

DIP Sockets	
Solder Tail Dual Leaf (DL) Contact	5002-5007
Four-Fingered Contact (500 Series, 700 Series, 800 Series).....	5008-5014
Surface Mount (800 SM Series)	5014, 5015
DIP Insertion and Withdrawal Tools (TI/TW Series, TX Series)	5016, 5017
SIP Sockets	
Solder Tail Dual Leaf (DL) Contact.....	5018, 5019
Terminal Strips, Four-Fingered Contact (500 Series).....	5020
SIMM Sockets	
SIMM MICRO-EDGE Sockets	5021-5023
SIMM II Right-Angle Sockets	5024, 5025
DIMM Sockets	
SO DIMM Sockets.....	5026, 5027
DIMM II Sockets	5028-5031
DIMM IIP (Performance) Sockets	5032
Numerical Display Sockets (500 Series)	5053
Angle Mount DIP Sockets (500 Series)	5054
Ganged DIP Sockets (500 Series).....	5055
Specialty Sockets	
Crystal Socket Assemblies (800-AG & 8004-1G Series).....	5056-5060
Programming Jumper Plug Assemblies (8136-875 Series, 8136-475 Series)	5061, 5062
Fuse Sockets (500 Series)	5063
Crystal Oscillator Sockets (500 Series)	5064
Transistor & IC Low Profile Sockets (8059 Series)	5065, 5066
Transistor Sockets (8058 & 8060 Series)	5067-5070

Solder Tail Dual Leaf (DL) Contact

Product Facts

- Dual wiping contacts
- Face wipe contacts for high reliability and constant, low resistance
- Anti-overstress prevents contact damage
- Large target area with tapered lead-in ramps for easy DIP insertion
- Stackable end-to-end and side-to-side (brickwalling) for high board density
- Housing standoffs and slots facilitate board cleaning
- Family of 6 through 48 positions
- Retention-style tails or straight solder tails
- Visual polarization
- Designed for automatic machine insertion — DIP-to-socket or socket-to-board (tube loaded)
- Recognized under the Component Program of Underwriters Laboratories Inc., 
- Certified by Canadian Standards Association 

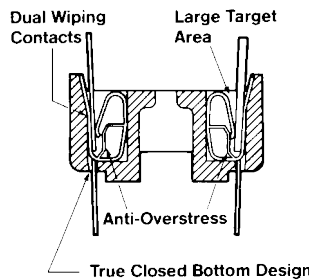


The Dual Leaf (DL) DIP socket family provides high quality at low cost with superior handling characteristics. Sockets are available in 6- through 48-position sizes with dual wiping contacts. The large target area of the contacts and tapered side ramps in the housing promote easy entry of a DIP package. Internal anti-overstress walls on standard versions prevent contact damage. The housings are compatible with commercially available automatic insertion equipment for socket-to-board or DIP-to-socket applications.

Standoffs provide board clearance for proper cleaning after soldering. Sockets are available with straight solder tails for clinching and are "true positioned" for automatic insertion into the pc board.

Performance Characteristics:

- Rating** — Signal application only
- Contact Resistance** — 20 milliohms max. (initial)
30 milliohms max. (after test)
- Dielectric Withstanding Voltage** — 1000 VRMS min.
- Insulation Resistance** — 10,000 megohms min. (initial)
- Capacitance** — 0.5 picofarad max.
- Operating Temperature** — -40°C to +105°C (tin)
-55°C to +125°C (gold)
- Vibration** — 15 Gs, 10-2000 Hz with 100 ma current
- Shock** — 100 Gs sawtooth, 6 shocks
- Engaging Force** — 340 grams max. (initial)
- Separating Force** — 25 grams min. per Tyco Electronics Specification 108-1066 (Standard)



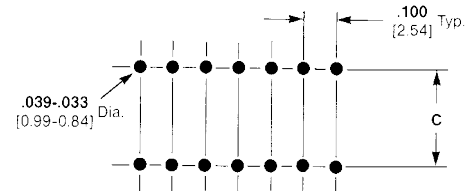
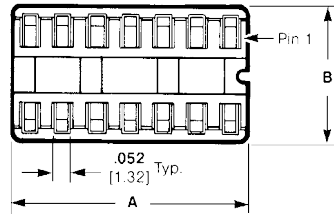
Dual Leaf (DL)

Sockets accept .008—.014 [0.2—0.36] thick IC leads

Material and Finish:

Housing — Glass-filled thermo-plastic, 94V-0 rated, black

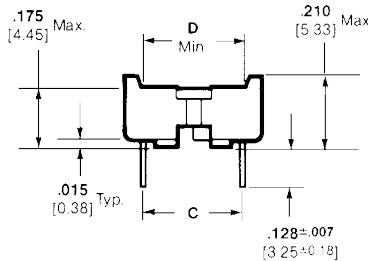
Contacts — Phosphor bronze or beryllium copper with tin or gold plating (see table)



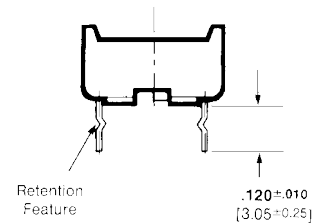
Recommended Mounting Dimensions



Note: All socket positions have "True Closed Bottom" design which allows no solder or flux wicking at class 1 conditions of EIA 486.



Sockets with Straight Solder Tails



Sockets with Retention Feature Solder Tails

No. of Positions	Dimensions				Sockets with Straight Solder Tails ¹		Sockets with Retention Solder Tails ¹			
	A	B	C	D	Beryllium Copper	Phosphor Bronze	Beryllium Copper		Phosphor Bronze	
					.000030 [0.00076] ² Gold Plate	.000015 [0.00038] ² Gold Plate	Tinned	.000030 [0.00076] ² Gold Plate	Tinned	.000015 [0.00038] ² Gold Plate
6 ³	.295 7.49	.394 10.01	.300 7.62	.320 8.13	2-641296-2	2-641296-4	—	—	—	—
8 ³	.395 10.03	.394 10.01	.300 7.62	.320 8.13	2-640463-2	2-640463-4	2-641260-1	—	—	2-641260-4
14	.695 17.65	.394 10.01	.300 7.62	.320 8.13	2-641599-2	2-641599-4	2-641609-1	—	—	2-641609-4
16	.795 20.19	.394 10.01	.300 7.62	.320 8.13	2-641600-2	2-641600-4	2-641610-1	2-641610-2	—	2-641610-4
18	.895 22.73	.394 10.01	.300 7.62	.320 8.13	—	—	2-641611-1	—	—	—
20	.995 25.27	.394 10.01	.300 7.62	.320 8.13	2-641602-2	2-641602-4	2-641612-1	2-641612-2	—	2-641612-4
24	1.195 30.35	.394 10.01	.300 7.62	.320 8.13	2-641932-2	2-641932-4	2-641933-1	—	—	—
24	1.195 30.35	.694 17.63	.600 15.24	.620 15.75	2-641604-2	2-641604-4	641855-1	—	—	2-641614-4
28	1.395 35.43	.694 17.63	.600 15.24	.620 15.75	2-641605-2	2-641605-4	2-641615-1	2-641615-2	2-641615-3	2-641615-4
40	1.995 50.67	.694 17.63	.600 15.24	.620 15.75	2-641606-2	2-641606-4	2-641616-1	2-641616-2	—	—
42	2.095 53.21	.694 17.63	.600 15.24	.620 15.75	2-382374-2	—	—	—	—	—
48	2.395 60.83	.694 17.63	.600 15.24	.620 15.75	—	—	—	2-643576-2	—	2-643574-4

¹ ONLY sockets with straight solder tails are recommended for automatic insertion. All parts are packaged in plastic tubes. Sockets with retention feature are packaged in plastic tubes for handling and storage convenience only.

² Gold thickness in contact area; tin-lead plate on solder tails.

³ Closed frame design.

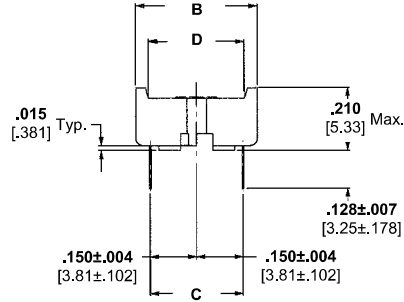
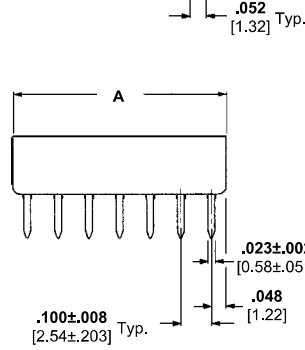
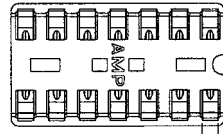
Dual Leaf (DL)

Sockets accept .008—.014
[0.2—0.36] thick IC leads

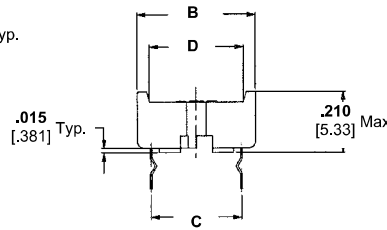
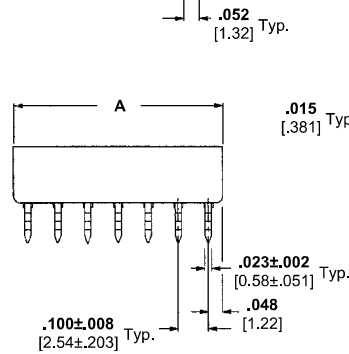
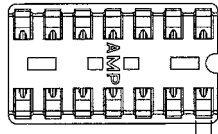
Material and Finish:

Housing — Glass-filled thermo-plastic, 94V-0 rated, black

Contacts — Phosphor bronze or beryllium copper with tin or gold plating (see table)



Sockets with Straight Solder Tails



Sockets with Retention Feature Solder Tails

No. of Positions	Dimensions				Sockets with Straight Solder Tails ¹		Sockets with Retention Solder Tails ¹		
	A	B	C	D	Beryllium Copper	Phosphor Bronze	Beryllium Copper		Phosphor Bronze
					.000030 [0.00076] ² Gold Plate	.000015 [0.00038] ² Gold Plate	Tinned	Tinned	.000015 [0.00038] ² Gold Plate
14	.695 17.65	.394 10.01	.300 7.62	.320 8.13	—	2-640357-4	2-641261-1	—	—
16	.795 20.19	.394 10.01	.300 7.62	.320 8.13	2-640358-2	2-640358-4	2-641262-1	—	2-641262-4
18	.895 22.73	.394 10.01	.300 7.62	.320 8.13	—	2-640359-4	—	—	—
20	.995 25.27	.394 10.01	.300 7.62	.321 8.13	2-640464-2	2-640464-4	2-641264-1	—	2-641264-4
24	1.195 30.35	.694 17.63	.600 15.24	.620 15.75	2-640361-2	2-640361-4	2-641266-1	—	—
28	1.395 35.43	.694 17.63	.600 15.24	.620 15.75	2-640362-2	2-640362-4	2-641267-1	2-641267-3	2-641267-4
40	1.995 50.67	.694 17.63	.600 15.24	.620 15.75	2-640379-2	2-640379-4	2-641268-1	—	2-641268-4

¹ ONLY sockets with straight solder tails are recommended for automatic insertion. All parts are packaged in plastic tubes. Sockets with retention feature are packaged in plastic tubes for handling and storage convenience only.

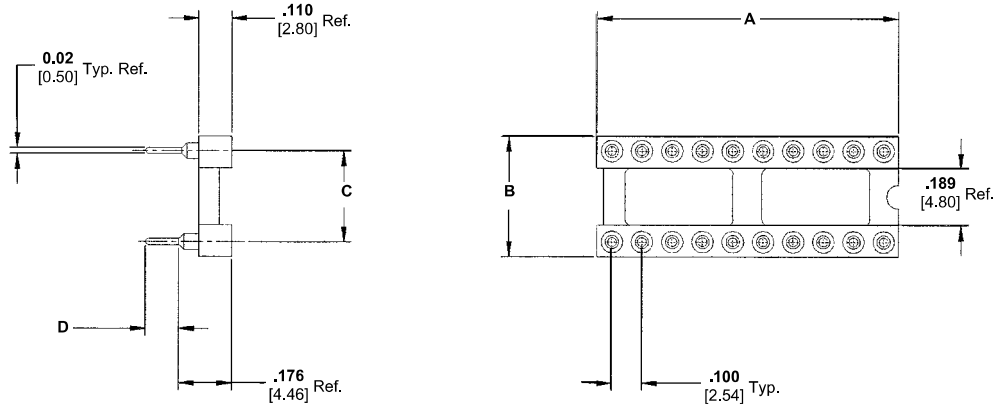
² Gold thickness in contact area; tin-lead plate on solder tails.

Open Frame

Material and Finish:

Housing — Glass-filled thermoplastic

Contacts — Beryllium copper



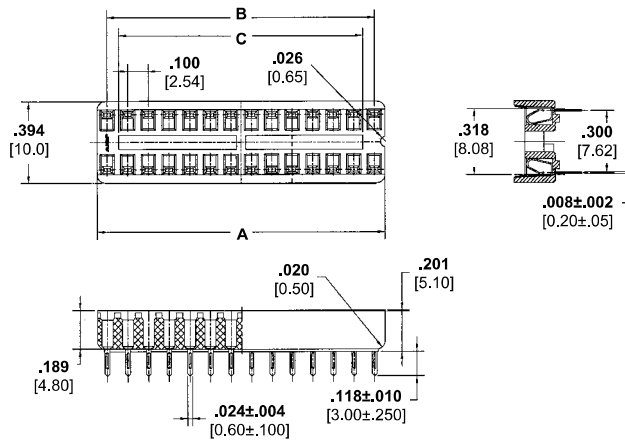
No. of Positions	Type/ Centerline	Dimensions				Part Numbers
		A	B	C	D	
20	.300	.996 25.3	.394 10.1	.300 7.62	.112 2.84	345721-4
20	Wire Wrap Tail .300	.996 25.3	.394 10.1	.300 7.62	.051 12.95	3-345848-5
24	Wire Wrap Tail .300	1.20 30.4	.394 10.1	.300 7.62	.051 12.95	3-345850-5
28	Auto Insertable .600	1.40 35.5	.694 17.7	.600 15.24	.114 2.90	345870-4
32	.600	1.60 40.6	.694 17.7	.600 15.24	.112 2.84	345729-1

Economy Ladder Style, .300 Centerline

Material and Finish:

Housing — Glass-filled thermoplastic, black

Contacts — Phosphor bronze with tin plating



No. of Positions	Dimensions			Part Numbers .300 Centerline			
	A	B	C				
6	7.62	.300	5.08	.200	2.10	.083	390261-1
8	10.16	.400	7.62	.300	4.76	.187	390261-2
14	17.78	.700	15.24	.600	12.38	.487	390261-3
16	20.32	.800	17.78	.700	14.92	.587	390261-4
18	22.86	.900	20.32	.800	17.46	.687	390261-5
20	25.40	1.400	22.86	.900	20.00	.787	390261-6
22	27.94	1.100	25.40	1.000	22.54	.887	390261-7
24	30.48	1.200	27.94	1.100	25.10	.988	390261-8
28	35.56	1.400	33.02	1.300	30.12	1.185	390261-9
32	40.64	1.600	38.10	1.500	35.20	1.386	1-390261-0



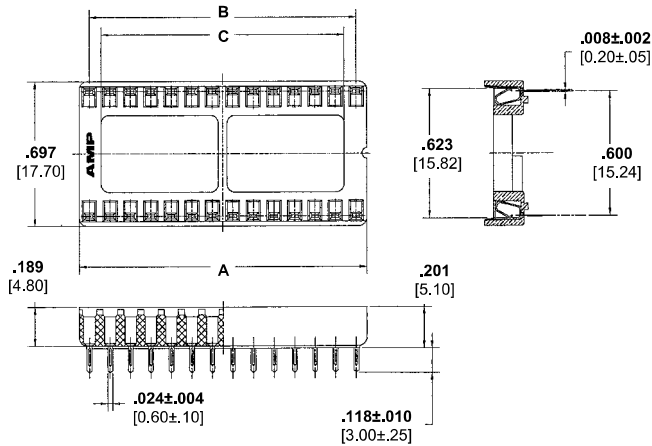
Sockets

Economy Ladder Style, .600 Centerline

Material and Finish:

Housing — Glass-filled Thermoplastic, black

Contacts — Phosphor bronze with tin plating



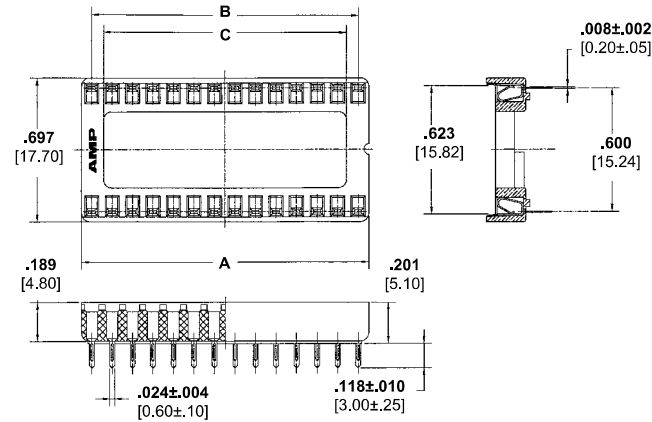
No. of Positions	Dimensions			Part Numbers .600 Centerline
	A	B	C	
24	30.48 1.200	27.94 1.100	25.10 .988	390262-1
28	35.56 1.400	33.02 1.300	30.12 1.185	390262-2
32	40.64 1.600	38.10 1.500	35.20 1.386	390262-3
40	50.80 2.000	48.26 1.900	45.36 1.790	390262-5
42	53.34 2.100	50.08 1.970	47.90 1.890	390262-6
48	60.96 2.400	58.42 2.300	55.52 2.190	390262-7

Economy Over-the-Component (OTC) Style, 15.24 Centerline

Material and Finish:

Housing — Glass-filled Thermoplastic, black

Contacts — Phosphor bronze with tin plating



No. of Positions	Dimensions			Part Numbers 15.24 Centerline
	A	B	C	
24	25.10 .988	27.94 1.100	30.48 1.200	390263-7
28	30.12 1.190	33.02 1.300	35.56 1.400	390263-1
32	35.20 1.390	38.10 1.500	40.64 1.600	390263-2
40	45.36 1.790	48.26 1.900	50.80 2.000	390263-4
42	47.90 1.890	50.08 1.970	53.34 2.100	390263-5
48	55.52 2.190	58.42 2.300	60.96 2.400	390263-6

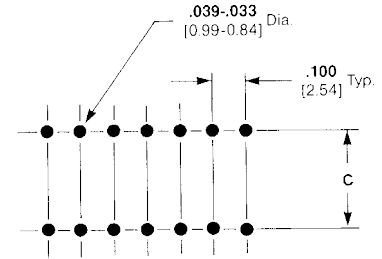
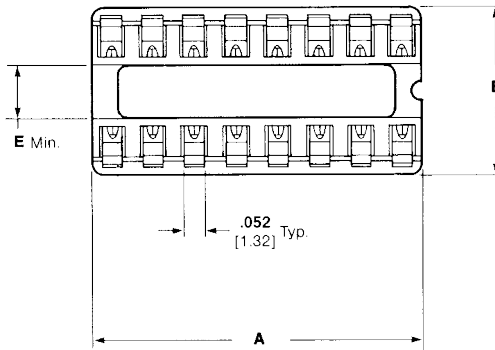
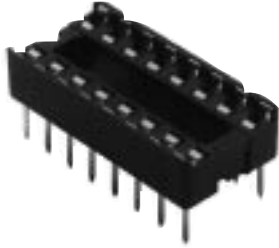
Dual Leaf (DL), Over-the-Component (OTC) Style

Sockets accept .008—.014 [0.2—0.36] thick IC leads

Material and Finish:

Housing — Glass-filled thermo-plastic, 94V-0 rated, black

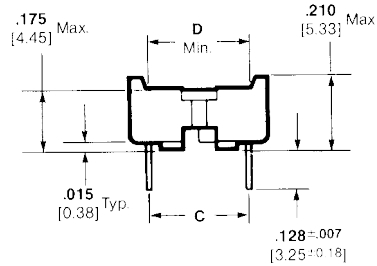
Contacts — Phosphor bronze or beryllium copper with gold plating (see table)



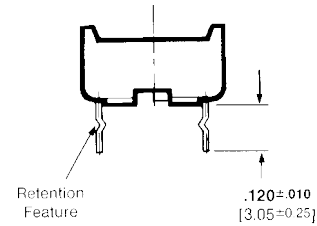
Recommended Mounting Dimensions

Recommended IC Leg Length:

- 1) .100 [2.54] min. for a reliable contact surface.
- 2) .120 [3.05] max. to allow IC body to seat on socket.
- 3) Longer legs may be used, but IC cannot be fully seated on seating plane.



Sockets with Straight Solder Tails



Sockets with Retention Feature Solder Tails

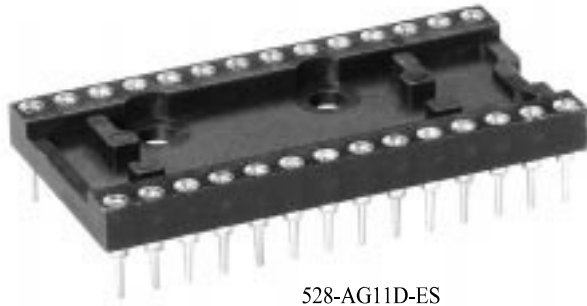
Note: All socket positions have "True Closed Bottom" design which allows no solder or flux wicking at class 1 conditions of EIA 486.

No. of Positions	Dimensions					Sockets with Straight Solder Tails		Sockets with Retention Solder Tails
						Beryllium Copper	Phosphor Bronze	Beryllium Copper
	A	B	C	D	E	.000030 [0.00076] ¹ Gold Plate	.000015 [0.00038] ¹ Gold Plate	.000030 [0.00076] ¹ Gold Plate
32	1.595 40.51	.694 17.63	.600 15.24	.620 15.75	.380 9.65	2-644018-2	2-644018-4	2-382189-2

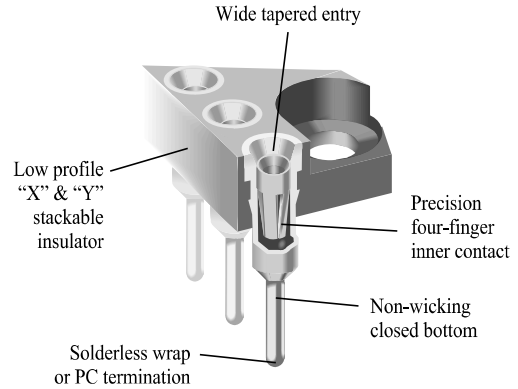
¹ Gold thickness in contact area with tin-lead plate on solder tails. All parts packaged in plastic tubes.

Four-Fingered Contact & Solid Insulator

500 Series




528-AG11D-ES



FEATURES:

The 500 Series Socket features a precision four-finger inner contact to produce the industry standard for high reliability screw machine sockets.

- Precision four-finger inner contact provides concentric funnel entry for easy flat and round lead insertion
- Machined (Premium Series) and stamped (Economy Series) contacts are available
- "X" & "Y" stackable
- Non-wicking, closed bottom sleeve gives 100% protection against flux and solder contamination. Choice of solderless wrap or PC termination
- Accommodates 6 through 40 pin DIPS, rectangular or round leads
-  Recognized under the Component Program of Underwriters Laboratories, Inc. file no. E111362
- Beryllium copper inner contact for maximum mechanical and electrical performance
- For extreme conditions involving shock and vibration, The AMP high retention series is available

APPLICATION DIMENSIONS:

- PCB Thickness Range: Standard .062" and .092" (1,57 and 2,34)
- PCB Hole Size Range: .035" ± .002" (0,89 ± 0,05) PC tail, .055" ± .003" (1,40 ± 0,08) solderless wrap
- IC Pin Dimension Range: .009" x .015" (0,23 x 0,38) through .011" x .020" (0,28 x 0,51) .016" to .021" (0,41 to 0,53) round lead, .105" (2,67) min. length

MATERIAL SPECIFICATIONS:

Insulator.....	Thermoplastic polyester, UL rated 94V-0
Sleeve	Machined brass/formed copper
Contact	Beryllium copper
Sleeve Plating	Tin/lead or gold
Contact Plating	Premium or Economy Series (ES) - gold or tin/lead
	Economy Series (ESL) - low gold

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration	Passed MIL-STD-1344, Method 2005.1, Condition II, 10 G's
Shock	Passed MIL-STD-1344, Method 2004.1, Condition C, 100 G's
Durability	Passed MIL-STD-1344, Method 2016
Normal Force	125 Grams (4.4 oz.) average with .018" (0,46) dia. polished steel pin (Premium Series)
	200 Grams (7.1 oz.) average with .018" (0,46) dia. polished steel pin (Economy Series)
Inner Contact Retention ..	
in Sleeve	7.5 Lbs. per line average
Sleeve Retention	
in Plastic	3.0 Lbs. per line minimum
Solderability	Passed MIL-STD-202F, Method 208
Insertion Force	Premium - 134 Grams (4.7 oz.) average with a .018" (0,46) dia. polished steel pin
	Economy - 179 Grams (6.3 oz.) average with a .018" (0,46) dia. polished steel pin
Withdrawal Force	63 Grams (2.2 oz.) average with a .018" (0,46) dia. polished steel pin
(Premium and Economy)	

ELECTRICAL

Contact Resistance	10 Milliohms max.
Contact Rating.....	3 Amps
Capacitance	1.0 pF per MIL-STD-202, Method 305 (contact to contact)
Insulation Resistance.....	5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
Dielectric Withstanding	
Voltage	1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

Humidity	Passed MIL-STD-1344, Method 1002.2, Cond. II
Thermal Shock	Passed MIL-STD-1344, Method 1003.1, Cond. A
Operation Temperature	Gold inner contact -55°C to +125°C, Tin/lead inner contact -55°C to +105°C

Four-Fingered Contact & Solid Insulator

500 Series

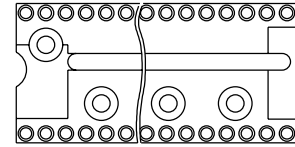


Figure 2

STANDARD CONFIGURATIONS

Number of Contacts	A	B*	C	Number of Contacts	A	B*	C
6	.300 (7,62)	.300 (7,62)	.400 (10,16)	24	1.200 (30,48)	.400 (10,16)	.500 (12,70)
8	.400 (10,16)			24	1.200 (30,48)	.600 (15,24)	.700 (45,72)
14	.700 (17,78)			28	1.400 (35,56)		
16	.800 (20,32)			32	1.600 (40,64)		
18	.900 (22,86)			36	1.800 (47,72)		
20	1.000 (25,40)			40	2.000 (50,80)		
22	1.150 (29,21)	.400 (10,16)	.500 (12,70)				

* Dimension B ± .005
(0,13)

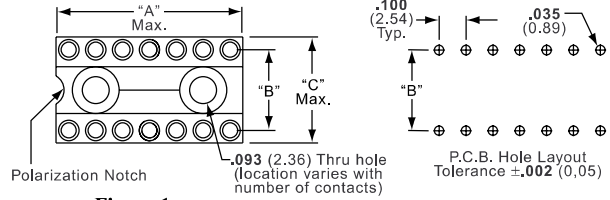
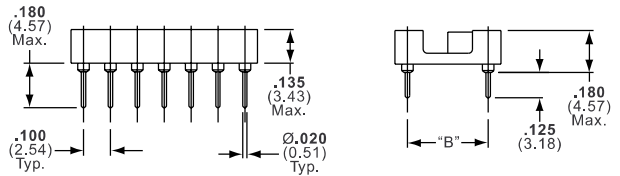


Figure 1



PART NUMBERS

Economy Series	Premium	Figure	Position	Centerline	Contact	Sleeve	Economy Series	Premium	Figure	Position	Centerline	Contact	Sleeve
506-AG10D-ES	506-AG10D	1	6	.300 (7,62)	Gold	Gold	524-AG65D-ES	524-AG65D	2	24	.400 (10,16)	Gold	Gold
506-AG10D-ESL	506-AG10D		6		Low Gold	Gold	524-AG65D-ESL	524-AG65D		24		Low Gold	Gold
506-AG11D-ES	506-AG11D		6		Gold	Tin/Lead	524-AG66D-ES	524-AG66D		24		Gold	Tin/Lead
506-AG11D-ESL	506-AG11D		6		Low Gold	Tin/Lead	524-AG66D-ESL	524-AG66D		24		Low Gold	Tin/Lead
506-AG12D-ES	506-AG12D		6		Tin/Lead	Tin/Lead	524-AG13D-ES	524-AG13D		24		Tin/Lead	Tin/Lead
506-AG12D-ESL	506-AG12D		6		Tin/Lead	Tin/Lead	524-AG13D-ESL	524-AG13D		24		Tin/Lead	Tin/Lead
508-AG10D-ES	508-AG10D	1	8	.300 (7,62)	Gold	Gold	524-AG10D-ES	524-AG10D	2	24	.600 (15,24)	Gold	Gold
508-AG10D-ESL	508-AG10D		8		Low Gold	Gold	524-AG10D-ESL	524-AG10D		24		Low Gold	Gold
508-AG11D-ES	508-AG11D		8		Gold	Tin/Lead	524-AG11D-ES	524-AG11D		24		Gold	Tin/Lead
508-AG11D-ESL	508-AG11D		8		Low Gold	Tin/Lead	524-AG11D-ESL	524-AG11D		24		Low Gold	Tin/Lead
508-AG12D-ES	508-AG12D		8		Tin/Lead	Tin/Lead	524-AG12D-ES	524-AG12D		24		Tin/Lead	Tin/Lead
508-AG12D-ESL	508-AG12D		8		Tin/Lead	Tin/Lead	524-AG12D-ESL	524-AG12D		24		Tin/Lead	Tin/Lead
514-AG10D-ES	514-AG10D	1	14	.300 (7,62)	Gold	Gold	528-AG10D-ES	528-AG10D	2	28	.600 (15,24)	Gold	Gold
514-AG10D-ESL	514-AG10D		14		Low Gold	Gold	528-AG10D-ESL	528-AG10D		28		Low Gold	Gold
514-AG11D-ES	514-AG11D		14		Gold	Tin/Lead	528-AG11D-ES	528-AG11D		28		Gold	Tin/Lead
514-AG11D-ESL	514-AG11D		14		Low Gold	Tin/Lead	528-AG11D-ESL	528-AG11D		28		Low Gold	Tin/Lead
514-AG12D-ES	514-AG12D		14		Tin/Lead	Tin/Lead	528-AG12D-ES	528-AG12D		28		Tin/Lead	Tin/Lead
514-AG12D-ESL	514-AG12D		14		Tin/Lead	Tin/Lead	528-AG12D-ESL	528-AG12D		28		Tin/Lead	Tin/Lead
516-AG10D-ES	516-AG10D	1	16	.300 (7,62)	Gold	Gold	532-AG10D-ES	532-AG10D	2	32	.600 (15,24)	Gold	Gold
516-AG10D-ESL	516-AG10D		16		Low Gold	Gold	532-AG10D-ESL	532-AG10D		32		Low Gold	Gold
516-AG11D-ES	516-AG11D		16		Gold	Tin/Lead	532-AG11D-ES	532-AG11D		32		Gold	Tin/Lead
516-AG11D-ESL	516-AG11D		16		Low Gold	Tin/Lead	532-AG11D-ESL	532-AG11D		32		Low Gold	Tin/Lead
516-AG12D-ES	516-AG12D		16		Tin/Lead	Tin/Lead	532-AG12D-ES	532-AG12D		32		Tin/Lead	Tin/Lead
516-AG12D-ESL	516-AG12D		16		Tin/Lead	Tin/Lead	532-AG12D-ESL	532-AG12D		32		Tin/Lead	Tin/Lead
518-AG10D-ES	518-AG10D	1	18	.300 (7,62)	Gold	Gold	536-AG10D-ES	536-AG10D	2	36	.600 (15,24)	Gold	Gold
518-AG10D-ESL	518-AG10D		18		Low Gold	Gold	536-AG10D-ESL	536-AG10D		36		Low Gold	Gold
518-AG11D-ES	518-AG11D		18		Gold	Tin/Lead	536-AG11D-ES	536-AG11D		36		Gold	Tin/Lead
518-AG11D-ESL	518-AG11D		18		Low Gold	Tin/Lead	536-AG11D-ESL	536-AG11D		36		Low Gold	Tin/Lead
518-AG12D-ES	518-AG12D		18		Tin/Lead	Tin/Lead	536-AG12D-ES	536-AG12D		36		Tin/Lead	Tin/Lead
518-AG12D-ESL	518-AG12D		18		Tin/Lead	Tin/Lead	536-AG12D-ESL	536-AG12D		36		Tin/Lead	Tin/Lead
520-AG10D-ES	520-AG10D	1	20	.300 (7,62)	Gold	Gold	540-AG10D-ES	540-AG10D	2	40	.600 (15,24)	Gold	Gold
520-AG10D-ESL	520-AG10D		20		Low Gold	Gold	540-AG10D-ESL	540-AG10D		40		Low Gold	Gold
520-AG11D-ES	520-AG11D		20		Gold	Tin/Lead	540-AG11D-ES	540-AG11D		40		Gold	Tin/Lead
520-AG11D-ESL	520-AG11D		20		Low Gold	Tin/Lead	540-AG11D-ESL	540-AG11D		40		Low Gold	Tin/Lead
520-AG12D-ES	520-AG12D		20		Tin/Lead	Tin/Lead	540-AG12D-ES	540-AG12D		40		Tin/Lead	Tin/Lead
520-AG12D-ESL	520-AG12D		20		Tin/Lead	Tin/Lead	540-AG12D-ESL	540-AG12D		40		Tin/Lead	Tin/Lead
522-AG10D-ES	522-AG10D	1	22	.400 (10,16)	Gold	Gold	Note: Part numbers in this chart and in detail shown refer to a .125" PC Tail Pin						
522-AG10D-ESL	522-AG10D		22		Low Gold	Gold							
522-AG11D-ES	522-AG11D		22		Gold	Tin/Lead							
522-AG11D-ESL	522-AG11D		22		Low Gold	Tin/Lead							
522-AG12D-ES	522-AG12D		22		Tin/Lead	Tin/Lead							
522-AG12D-ESL	522-AG12D		22		Tin/Lead	Tin/Lead							

ECONOMY AND PREMIUM SERIES - .180" PC TAIL PINS

- 5XX-AG44D-XXX - Gold contact, tin/lead sleeve
- 5XX-AG45D-XXX - Gold contact, gold sleeve
- 5XX-AG143D-XXX - Tin/lead contact, tin/lead sleeve

For wire wrap sockets or 24 position on .400" (10,16) in high retention or .180 (4,57) tails, please consult Tyco Electronics.

HIGH RETENTION SERIES

- 5XX-AG34D - Gold contact, tin/lead sleeve
- 5XX-AG33D - Gold contact, gold sleeve
- 5XX-AG38D - Tin/lead contact, tin/lead sleeve

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

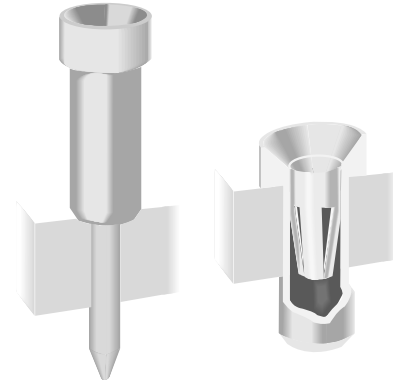


Four-Fingered Contacts Disposable Carriers

700 Series



732-AG4D-ES



FEATURES:

A disposable aluminum carrier forms the backbone of the 700 Series socket, an innovative extension of the AMP precision four-fingered, inner contact concept. Conceived for IC applications requiring maximum air flow for cooling, the 700 Series eliminates heat entrapment associated with an insulator. Additional benefits are:

- Easy solder joint inspection-easy cleaning-easy repair
- “X” & “Y” stackability for circuit flexibility and optimum use of PCB real estate
- Gang insertion of socket pins into PC boards
- 100% non-wicking of flux and solder
- Standard or low profile PC board mounting
- Availability in 6 to 40 positions on .100"(2,54) centers and a wide variety of row spacing
- Machined (Premium Series) and stamped (Economy Series) contacts are available

APPLICATION DIMENSIONS:

- PCB Thickness Range: Standard .062" and .092" (1,57 and 2,34)
- IC Pin Dimension Range:.016" to .021" (0,41 to 0,53) dia., .105" (2,67) min. length
- PCB Hole Size Range: .035" ± .003" (0,89 ± 0,08) standard mount, .055 ± .001" (1,40 ± 0,03) low profile mount

MATERIAL SPECIFICATIONS:

- CarrierAluminum
- SleeveMachined brass
- ContactBeryllium copper
- Sleeve PlatingTin/lead or gold
- Contact PlatingPremium or Economy Series (ES) - gold or tin/lead
Economy Series (ESL) - low gold

PERFORMANCE SPECIFICATIONS:

MECHANICAL

- VibrationPassed MIL-STD-1344, Method 2005.1, Condition II, 10 G's
- ShockPassed MIL-STD-1344, Method 2004.1, Condition C, 100 G's
- DurabilityPassed MIL-STD-1344, Method 2016
- Normal Force125 Grams average with .018" (0,46) dia. polished steel pin (Premium Series)
200 Grams average with .018" (0,46) dia. polished steel pin (Economy Series)
- Inner Contact Retention
in Sleeve7.5 Lbs. per line average
- Sleeve Retention
in Plastic3.0 Lbs. per line minimum
- SolderabilityPassed MIL-STD-202F, Method 208
- Insertion ForcePremium - 134 Grams (4.7 oz.) average with a .018" (0,46) dia. polished steel pin
Economy - 179 Grams (6.3 oz.) average with a .018" (0,46) dia. polished steel pin
- Withdrawal Force 63 Grams (2.2 oz.) average with a (Premium and Economy) .018" (0,46) dia. polished steel pin

ELECTRICAL

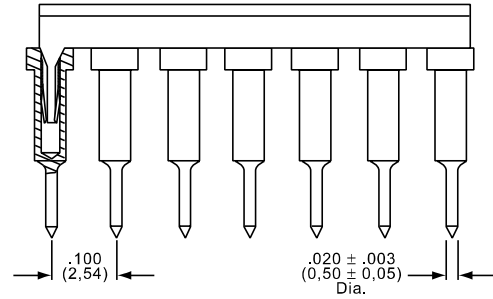
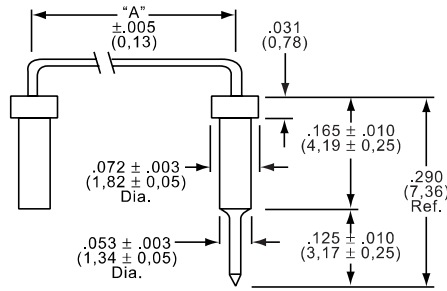
- Contact Resistance10 Milliohms max.
- Contact Rating3 Amps
- Capacitance1.0 pF per MIL-STD-202, Method 305 (contact to contact)
- Insulation Resistance5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
- Dielectric Withstanding
Voltage1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

- HumidityPassed MIL-STD-1344, Method 1002.2, Cond. II
- Thermal ShockPassed MIL-STD-1344, Method 1003.1, Cond. A
- Operation TemperatureGold inner contact -55°C to +125°C,
Tin/lead inner contact -55°C to +105°C

Four-Fingered Contacts Disposable Carriers

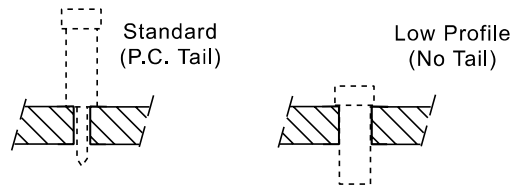
700 Series



REPLACEMENT SOCKET TERMINALS

	Standard Mount	Low Profile Mount
Gold Sleeve	LSG-1AG14-1	LSG-1DG17-1
Tin/Lead Sleeve	LSG-1AG14-14	LSG-1DG17-14

MOUNTING OPTIONS



STANDARD MOUNT PART NUMBERS

Economy Series Part Number	Premium Series Part Number	Number of Contacts	Contact Plating	Sleeve Plating	A	Economy Series Part Number	Premium Series Part Number	Number of Contacts	Contact Plating	Sleeve Plating	A
706-AG2D-ES	706-AG1D	6	Gold	Gold	.300 (7.62)	724-AG2D-ES	724-AG1D	24	Gold	Gold	.300 (7.62)
706-AG2D-ESL	706-AG2D	6	Low Gold	Tin/Lead		724-AG2D-ESL	724-AG2D	24	Low Gold	Tin/Lead	
708-AG2D-ES	708-AG1D	8	Gold	Gold	.400 (10.16)	724-AG22D-ES	724-AG21D	24	Gold	Gold	.400 (10.16)
708-AG2D-ESL	708-AG2D	8	Low Gold	Tin/Lead		724-AG22D-ESL	724-AG22D	24	Low Gold	Tin/Lead	
714-AG2D-ES	714-AG1D	14	Gold	Gold	.300 (7.62)	724-AG4D-ES	724-AG3D	24	Gold	Gold	.600 (15.24)
714-AG2D-ESL	714-AG2D	14	Low Gold	Tin/Lead		724-AG4D-ESL	724-AG4D	24	Low Gold	Tin/Lead	
716-AG2D-ES	716-AG1D	16	Gold	Gold	.300 (7.62)	728-AG4D-ES	728-AG3D	28	Gold	Gold	.600 (15.24)
716-AG2D-ESL	716-AG2D	16	Low Gold	Tin/Lead		728-AG4D-ESL	728-AG4D	28	Low Gold	Tin/Lead	
718-AG2D-ES	718-AG1D	18	Gold	Gold	.400 (10.16)	732-AG4D-ES	732-AG3D	32	Gold	Gold	.600 (15.24)
718-AG2D-ESL	718-AG2D	18	Low Gold	Tin/Lead		732-AG4D-ESL	732-AG4D	32	Low Gold	Tin/Lead	
720-AG2D-ES	720-AG1D	20	Gold	Gold	.300 (7.62)	736-AG4D-ES	736-AG3D	36	Gold	Gold	.600 (15.24)
720-AG2D-ESL	720-AG2D	20	Low Gold	Tin/Lead		736-AG4D-ESL	736-AG4D	36	Low Gold	Tin/Lead	
722-AG2D-ES	722-AG1D	22	Gold	Gold	.400 (10.16)	740-AG4D-ES	740-AG3D	40	Gold	Gold	.600 (15.24)
722-AG2D-ESL	722-AG2D	22	Low Gold	Tin/Lead		740-AG4D-ESL	740-AG4D	40	Low Gold	Tin/Lead	
722-AG22D-ES	722-AG21D	22	Gold	Gold	.300 (7.62)						
722-AG22D-ESL	722-AG22D	22	Low Gold	Tin/Lead							

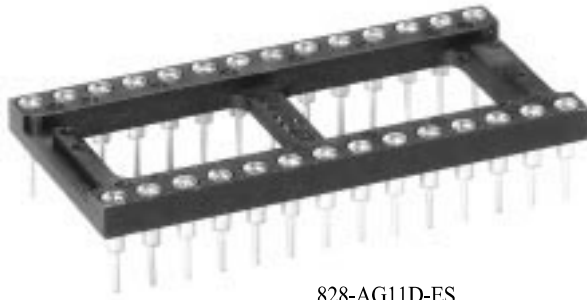
LOW PROFILE PART NUMBERS

Low Profile Part Number	Number of Contacts	Outer Sleeve Plating	A	Low Profile Part Number	Number of Contacts	Outer Sleeve Plating	A
706-AG10D	6	Gold	.300 (7.62)	724-AG10D	24	Gold	.300 (7.62)
706-AG20D	6	Tin/Lead		724-AG20D	24	Tin/Lead	
708-AG10D	8	Gold	.400 (10.16)	724-AG410D	24	Gold	.400 (10.16)
708-AG20D	8	Tin/Lead		724-AG420D	24	Tin/Lead	
714-AG10D	14	Gold	.300 (7.62)	724-AG30D	24	Gold	.600 (15.24)
714-AG20D	14	Tin/Lead		724-AG40D	24	Tin/Lead	
716-AG10D	16	Gold	.300 (7.62)	728-AG30D	28	Gold	.600 (15.24)
716-AG20D	16	Tin/Lead		728-AG40D	28	Tin/Lead	
718-AG10D	18	Gold	.400 (10.16)	732-AG30D	32	Gold	.600 (15.24)
718-AG20D	18	Tin/Lead		732-AG40D	32	Tin/Lead	
720-AG10D	20	Gold	.300 (7.62)	736-AG30D	36	Gold	.600 (15.24)
720-AG20D	20	Tin/Lead		736-AG40D	36	Tin/Lead	
722-AG10D	22	Gold	.400 (10.16)	740-AG30D	40	Gold	.600 (15.24)
722-AG20D	22	Tin/Lead		740-AG40D	40	Tin/Lead	
722-AG310D	22	Gold	.300 (7.62)				
722-AG320D	22	Tin/Lead					

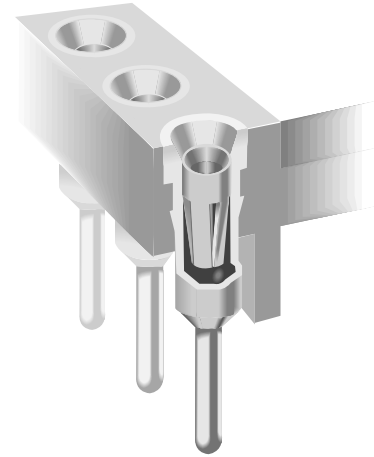
Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

Four-Fingered Contact Open Insulator

800 Series




828-AG11D-ES



FEATURES:

The 800 Series combines precision four-fingered inner contacts with an open ladder insulator to produce the ultimate high-reliability socket.

- Precision four-fingered inner contacts provide concentric funnel entry for easy flat and round lead insertion
- “X” & “Y” stackable. Open ladder for cooling, cleaning and inspection. Low profile
- Accommodates 8 through 64 pins DIPs, rectangular or round IC leads
- Non-wicking, closed bottom sleeve provides 100% protection against flux and solder contamination. Choice of solderless wrap or PC termination
-  Recognized under the Component Program of Underwriter Laboratories, Inc. File No. E111362
- Beryllium copper inner contact for maximum mechanical and electrical performance
- Machined (Premium Series) and stamped (Economy Series) contacts are available
- For extreme conditions involving shock and vibration, The AMP high retention force contact is available

APPLICATION DIMENSIONS:

- PCB Thickness Range: Standard .062" and .092" (1,57 and 2,34)
- PCB Hole Size Range: .035" ± .002" (0,89 ± 0,05) PC tail, .055" ± .003" (1,40 ± 0,08) solderless wrap
- IC Pin Dimension Range: .009" x .015" (0,23 x 0,38) through .011" x .020" (0,28 x 0,51) .016" to .021" (0,41 to 0,53) round lead .105" (2,67) min. length

MATERIAL SPECIFICATIONS:

Insulator.....Thermoplastic polyester, UL rated 94V-0
 SleeveMachined brass
 ContactBeryllium copper
 Sleeve PlatingTin/lead or gold
 Contact PlatingPremium or Economy Series (ES) - gold or tin/lead
 Economy Series (ESL) - low gold

PERFORMANCE SPECIFICATIONS:

MECHANICAL

VibrationPassed MIL-STD-1344, Method 2005.1, Condition II, 10 G's
 Shock.....Passed MIL-STD-1344, Method 2004.1, Condition C, 100 G's
 DurabilityPassed MIL-STD-1344, Method 2016
 Normal Force125 Grams (4.4 oz.) average with .018" (0,46) dia. polished steel pin (Premium Series)
 200 Grams (7.1 oz.) average with .018" (0,46) dia. polished steel pin (Economy Series)
 Inner Contact Retention 7.5 Lbs. per line average
 Sleeve Retention in Plastic 3.0 Lbs. per line minimum
 SolderabilityPassed MIL-STD-202F, Method 208
 Insertion ForcePremium - 134 grams (4.7 oz.) average with a .018" (0,46) dia. polished steel pin
 Economy - 179 grams (6.3 oz.) average with a .018" (0,46) dia. polished steel pin
 Withdrawal Force63 Grams (2.2 oz.) average with a (Premium and Economy) .018" (0,46) dia. polished steel pin

ELECTRICAL

Contact Resistance10 Milliohms max.
 Contact Rating.....3 Amps
 Capacitance1 pF per MIL-STD-202, Method 305 (contact to contact)
 Insulation Resistance.....5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
 Dielectric Withstanding Voltage1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

HumidityPassed MIL-STD-1344, Method 1002.2, Cond. II
 Thermal ShockPassed MIL-STD-1344, Method 1003.1, Cond. A
 Operation Temperature....Gold inner contact -55°C to +125°C, Tin/lead inner contact -55°C to +105°C

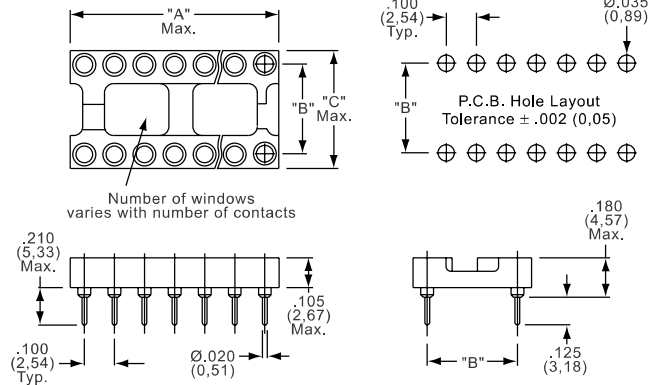
Four-Fingered Contact Open Insulator

800 Series

STANDARD CONFIGURATIONS

Number of Contacts	A	B*	C	Number of Contacts	A	B*	C				
8	.400 (10,16)	.300 (7,62)	.400 (10,16)	24	1.200 (30,48)	.600 (15,24)	.700 (17,78)				
14	.700 (17,78)			28	1.400 (35,56)						
16	.800 (20,32)			32	1.600 (40,64)						
18	.900 (22,86)			36	1.800 (45,72)						
20	1.000 (25,40)			40	2.000 (50,80)						
22	1.100 (27,94)			.400 (10,16)	.500 (12,70)			42	2.100 (53,34)		
24	1.200 (30,48)			.300 (7,62)	.400 (10,16)			48	2.400 (60,96)		
24	1.200 (30,48)			.400 (10,16)	.500 (12,70)			64	3.200 (81,28)	.900 (22,86)	1.000 (25,40)

* Dimension B ± .005
(0,13)



Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

PART NUMBERS

Economy Series	Premium Series	Position	Centerline	Contact	Sleeve	Economy Series	Premium Series	Position	Centerline	Contact	Sleeve
348465	348465	6	.300 (7,62)	Gold	Tin/Lead	348479	348479	24		Gold	Tin/Lead
348466	348466	8		Gold	Tin/Lead	824-AG10D-ES	824-AG10D	24		Gold	Tin/Lead
808-AG10D-ES	808-AG10D	8		Gold	Gold	824-AG10D-ESL		24	.600 (15,24)	Low Gold	Gold
808-AG10D-ESL		8	.300 (7,62)	Low Gold	Gold	824-AG11D-ES	824-AG11D	24		Gold	Tin/Lead
808-AG11D-ES	808-AG11D	8		Gold	Tin/Lead	824-AG11D-ESL		24		Low Gold	Tin/Lead
808-AG11D-ESL		8		Low Gold	Tin/Lead	824-AG12D-ES	824-AG12D	24		Tin/Lead	Tin/Lead
808-AG12D-ES	808-AG12D	8		Tin/Lead	Tin/Lead						
348467	348467	10	.300 (7,62)	Gold	Tin/Lead	348474	348474	28	.300 (7,62)	Gold	Tin/Lead
348468	348468	14		Gold	Tin/Lead	348477	348477	28	.400 (10,16)	Gold	Tin/Lead
814-AG10D-ES	814-AG10D	14		Gold	Gold						
814-AG10D-ESL		14	.300 (7,62)	Low Gold	Gold	348480	348480	28		Gold	Tin/Lead
814-AG11D-ES	814-AG11D	14		Gold	Tin/Lead	828-AG10D-ES	828-AG10D	28		Gold	Gold
814-AG11D-ESL		14		Low Gold	Tin/Lead	828-AG10D-ESL		28	.600 (15,24)	Low Gold	Gold
814-AG12D-ES	814-AG12D	14		Tin/Lead	Tin/Lead	828-AG11D-ES	828-AG11D	28		Gold	Tin/Lead
						828-AG11D-ESL		28		Low Gold	Tin/Lead
						828-AG12D-ES	828-AG12D	28		Tin/Lead	Tin/Lead
348469	348469	16		Gold	Tin/Lead	348478	348478	32	.400 (10,16)	Gold	Tin/Lead
816-AG10D-ES	816-AG10D	16		Gold	Gold						
816-AG10D-ESL		16	.300 (7,62)	Low Gold	Gold	348481	348481	32		Gold	Tin/Lead
816-AG11D-ES	816-AG11D	16		Gold	Tin/Lead	832-AG10D-ES	832-AG10D	32		Gold	Gold
816-AG11D-ESL		16		Low Gold	Tin/Lead	832-AG10D-ESL		32	.600 (15,24)	Low Gold	Gold
816-AG12D-ES	816-AG12D	16		Tin/Lead	Tin/Lead	832-AG11D-ES	832-AG11D	32		Gold	Tin/Lead
						832-AG11D-ESL		32		Low Gold	Tin/Lead
						832-AG12D-ES	832-AG12D	32		Tin/Lead	Tin/Lead
348470	348470	18		Gold	Tin/Lead						
818-AG10D-ES	818-AG10D	18		Gold	Gold	348482	348482	36		Gold	Tin/Lead
818-AG10D-ESL		18	.300 (7,62)	Low Gold	Gold	836-AG10D-ES	836-AG10D	36		Gold	Gold
818-AG11D-ES	818-AG11D	18		Gold	Tin/Lead	836-AG10D-ESL		36	.600 (15,24)	Low Gold	Gold
818-AG11D-ESL		18		Low Gold	Tin/Lead	836-AG11D-ES	836-AG11D	36		Gold	Tin/Lead
818-AG12D-ES	818-AG12D	18		Tin/Lead	Tin/Lead	836-AG11D-ESL		36		Low Gold	Tin/Lead
						836-AG12D-ES	836-AG12D	36		Tin/Lead	Tin/Lead
348471	348471	20		Gold	Tin/Lead						
820-AG10D-ES	820-AG10D	20		Gold	Gold	348483	348483	40		Gold	Tin/Lead
820-AG10D-ESL		20	.300 (7,62)	Low Gold	Gold	840-AG10D-ES	840-AG10D	40		Gold	Gold
820-AG11D-ES	820-AG11D	20		Gold	Tin/Lead	840-AG10D-ESL		40	.600 (15,24)	Low Gold	Gold
820-AG11D-ESL		20		Low Gold	Tin/Lead	840-AG11D-ES	840-AG11D	40		Gold	Tin/Lead
820-AG12D-ES	820-AG12D	20		Tin/Lead	Tin/Lead	840-AG11D-ESL		40		Low Gold	Tin/Lead
						840-AG12D-ES	840-AG12D	40		Tin/Lead	Tin/Lead
348472	348472	22	.300 (7,62)	Gold	Tin/Lead						
348475	348475	22		Gold	Tin/Lead	348484	348484	42		Gold	Tin/Lead
822-AG10D-ES	822-AG10D	22		Gold	Gold	842-AG10D-ES	842-AG10D	42		Gold	Gold
822-AG10D-ESL		22	.400 (10,16)	Low Gold	Gold	842-AG10D-ESL		42	.600 (15,24)	Low Gold	Gold
822-AG11D-ES	822-AG11D	22		Gold	Tin/Lead	842-AG11D-ES	842-AG11D	42		Gold	Tin/Lead
822-AG11D-ESL		22		Low Gold	Tin/Lead	842-AG11D-ESL		42		Low Gold	Tin/Lead
822-AG12D-ES	822-AG12D	22		Tin/Lead	Tin/Lead	842-AG12D-ES	842-AG12D	42		Tin/Lead	Tin/Lead
348473	348473	24		Gold	Tin/Lead						
824-AG30D-ES	824-AG30D	24		Gold	Gold	348485	348485	48		Gold	Tin/Lead
824-AG30D-ESL		24	.300 (7,62)	Low Gold	Gold	848-AG10D-ES	848-AG10D	48		Gold	Gold
824-AG31D-ES	824-AG31D	24		Gold	Tin/Lead	848-AG10D-ESL		48		Low Gold	Gold
824-AG31D-ESL		24		Low Gold	Tin/Lead	848-AG11D-ES	848-AG11D	48		Gold	Tin/Lead
824-AG32D-ES	824-AG32D	24		Tin/Lead	Tin/Lead	848-AG11D-ESL		48		Low Gold	Tin/Lead
						848-AG12D-ES	848-AG12D	48		Tin/Lead	Tin/Lead
348476	348476	24		Gold	Tin/Lead						
824-AG65D-ES	824-AG65D	24		Gold	Gold	348486	348486	50	.600 (15,24)	Gold	Tin/Lead
824-AG65D-ESL		24	.400 (10,16)	Low Gold	Gold						
824-AG66D-ES	824-AG66D	24		Gold	Tin/Lead	348488	348488	50	.900 (22,86)	Gold	Tin/Lead
824-AG66D-ESL		24		Low Gold	Tin/Lead						
824-AG14D-ES	824-AG14D	24		Tin/Lead	Tin/Lead						

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

Four Fingered Contact Open Insulator

PART NUMBERS

Economy Series	Premium Series	Position	Centerline	Contact	Sleeve	Economy Series	Premium Series	Position	Centerline	Contact	Sleeve
348487	348487	52	.600 (15,24)	Gold	Tin/Lead	864-AG10D-ESL		64		Low Gold	Gold
348489	348489	52	.900 (22,86)	Gold	Tin/Lead	864-AG11D-ES	864-AG11D	64	.900 (22,86)	Gold	Tin/Lead
348490	348490	64	.900 (22,86)	Gold	Tin/Lead	864-AG11D-ESL		64		Low Gold	Tin/Lead
864-AG10D-ES	864-AG10D	64		Gold	Gold	864-AG12D-ES	864-AG12D	64		Tin/Lead	Tin/Lead

Economy and Premium Series - .180" (4,57) PC Tail Pins

- 8XX-AG44D-XXX - Gold contact, tin/lead sleeve
- 8XX-AG45D-XXX - Gold contact, gold sleeve
- 8XX-AG43D-XXX - Tin/lead contact, tin/lead sleeve

High Retention Series

- 8XX-AG34D - Gold contact, tin/lead sleeve
- 8XX-AG33D - Gold contact, gold sleeve
- 8XX-AG38D - Tin/lead contact, tin/lead sleeve

Note: Part numbers in this chart and in detail shown refer to a .125" (3,18) PC Tail Pin

For wire-wrap sockets or 24 position on .300" (7,62) or .400" (10,16) in high retention or .180" (4,57) tails, please consult Tyco Electronics.

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

Surface Mount

800 SM Series



814-AG11SM

FEATURES:

Tyco Electronics offers the precision machined 800SM Series which achieves compliancy to the board surface and is designed for high temperatures typical of vapor phase and infrared reflow soldering.

- "Butt" style terminals float in plastic housing for compliancy to board surface
- Precision four-fingered inner contacts provide concentric funnel entry for easy flat or round insertion

APPLICATION DIMENSIONS:

- PCB Thickness Range: Standard .062" and .092" (1,57 and 2,34)
- IC Pin Dimension Range: .009" x .015" (0,23 x 0,38) through .011" x .020" (0,28 x 0,51) .016" to .021" (0,41 to 0,53) round lead .105" (2,67) min. length

MATERIAL SPECIFICATIONS:

Insulator.....Thermoplastic polyester, UL rated 94V-0
 Outer SleeveBrass
 Contacts.....Beryllium copper
 Sleeve PlatingTin/lead
 Contact PlatingGold or tin/lead

PERFORMANCE SPECIFICATIONS:

MECHANICAL

VibrationPassed MIL-STD-1344, Method 2005.1, Condition II, 10 G's
 ShockPassed MIL-STD-1344, Method 2004.1, Condition C, 100 G's
 DurabilityPassed MIL-STD-1344, Method 2016
 Inner Contact Retention7.5 Lbs. per line average
 SolderabilityPassed MIL-STD-202F, Method 208
 Insertion Force179 Grams (6.3 oz.) average with a .018" (0,46) dia. polished steel pin
 Withdrawal Force63 Grams (2.2 oz.) average with a .018" (0,46) dia. polished steel pin

ELECTRICAL

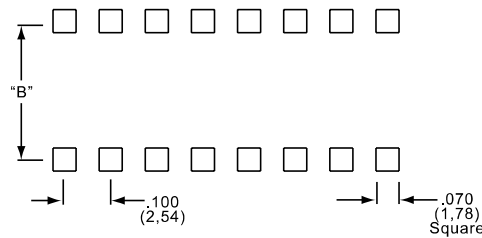
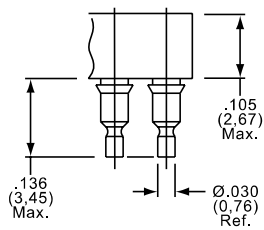
Contact Resistance10 Milliohms max.
 Contact Rating.....3 Amps
 Capacitance1.0 pF per MIL-STD-202, Method 305 (contact to contact)
 Insulation Resistance.....5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
 Dielectric Withstanding Voltage1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

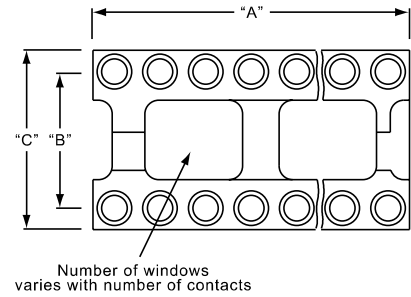
HumidityPassed MIL-STD-1344, Method 1002.2, Cond. II
 Thermal ShockPassed MIL-STD-1344, Method 1003.1, Cond. A
 Operation TemperatureGold inner contact -55°C to +125°C, Tin/lead inner contact -55°C to +105°C

Surface Mount

800 SM Series



Recommended Pad Pattern
Tolerance ± .002 (0,05)



STANDARD CONFIGURATIONS

Number of Contacts	A	B*	C	Number of Contacts	A	B*	C		
8	.400 (10,16)	.300 (7,62)	.400 (10,16)	24	1.200 (30,48)	.600 (15,24)	.700 (17,78)		
14	.700 (17,78)			28	1.400 (35,36)				
16	.800 (20,32)			32	1.600 (40,64)				
18	.900 (22,86)			36	1.800 (45,72)				
20	1.000 (25,40)			40	2.000 (50,80)				
22	1.100 (27,94)	.400 (10,16)	.500 (12,70)	42	2.100 (53,34)				
24	1.200 (30,48)	.300 (7,62)	.400 (10,16)	48	2.400 (60,96)				
24	1.200 (30,48)	.400 (10,16)	.500 (12,70)	64	3.200 (81,28)			.900 (22,86)	1.000 (25,40)

* Dimension B ± .005
(0,13)

PART NUMBERS

Part Number	Position	Centerline	Contact	Part Number	Position	Centerline	Contact
808-AG11SM	8	.300	Gold	824-AG11SM	24	.600	Gold
808-AG12SM	8	(7,62)	Tin/Lead	824-AG12SM	24	(15,24)	Tin/Lead
814-AG11SM	14	.300	Gold	828-AG11SM	28	.600	Gold
814-AG12SM	14	(7,62)	Tin/Lead	828-AG12SM	28	(15,24)	Tin/Lead
816-AG11SM	16	.300	Gold	832-AG11SM	32	.600	Gold
816-AG12SM	16	(7,62)	Tin/Lead	832-AG12SM	32	(15,24)	Tin/Lead
818-AG11SM	18	.300	Gold	836-AG11SM	36	.600	Gold
818-AG12SM	18	(7,62)	Tin/Lead	836-AG12SM	36	(15,24)	Tin/Lead
820-AG11SM	20	.300	Gold	840-AG11SM	40	.600	Gold
820-AG12SM	20	(7,62)	Tin/Lead	840-AG12SM	40	(15,24)	Tin/Lead
822-AG11SM	22	.300	Gold	842-AG11SM	42	.600	Gold
822-AG12SM	22	(7,62)	Tin/Lead	842-AG12SM	42	(15,24)	Tin/Lead
824-AG31SM	24	.300	Gold	848-AG11SM	48	.600	Gold
824-AG32SM	24	(7,62)	Tin/Lead	848-AG12SM	48	(15,24)	Tin/Lead
824-AG66SM	24	.400	Gold	864-AG11SM	64	.900	Gold
824-AG14SM	24	(10,16)	Tin/Lead	864-AG12SM	64	(22,86)	Tin/Lead

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

5 Sockets