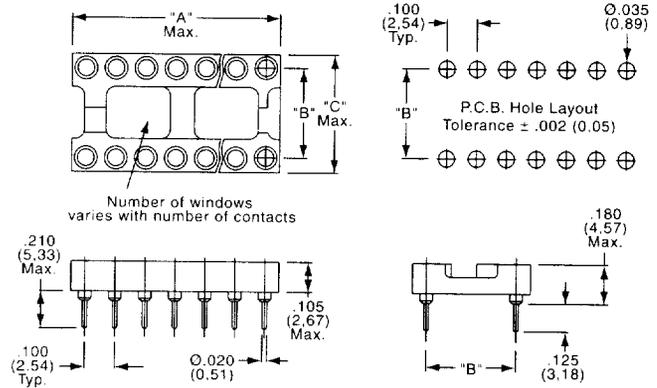


Four-Fingered Contact Open Insulator

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)			42	2.100 (53.34)					
24	1.200 (30.48)			48	2.400 (60.96)					
24	.400 (10.16)			500 (12.70)	64			3.200 (81.28)	.900 (22.86)	1.000 (25.40)
				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	.600 (15.24)	Gold	Tin/Lead
348466	348466	8	.300 (7.62)	Gold	Tin/Lead	824-AG10D-ES	824-AG10D	24		Gold	Gold
808-AG10D-ES	808-AG10D	8		Gold	Gold						
808-AG10D-ESL	808-AG10D	8		Low Gold	Gold						
808-AG11D-ES	808-AG11D	8		Gold	Tin/Lead						
808-AG11D-ESL	808-AG11D	8		Low Gold	Tin/Lead						
808-AG12D-ES	808-AG12D	8	Gold	Tin/Lead	824-AG12D-ES	824-AG12D	24	Gold	Tin/Lead		
348467	348467	10	.300 (7.62)	Gold	Tin/Lead	348474	348474	28	.300 (7.62)	Gold	Tin/Lead
348468	348468	14	.300 (7.62)	Gold	Tin/Lead	348477	348477	28	.400 (10.16)	Gold	Tin/Lead
814-AG10D-ES	814-AG10D	14		Gold	Gold	348480	348480	28	.600 (15.24)	Gold	Tin/Lead
814-AG10D-ESL	814-AG10D	14		Low Gold	Gold	828-AG10D-ES	828-AG10D	28		Gold	Gold
814-AG11D-ES	814-AG11D	14		Gold	Tin/Lead	828-AG10D-ESL	828-AG10D	28		Low Gold	Gold
814-AG11D-ESL	814-AG11D	14		Low Gold	Tin/Lead	828-AG11D-ES	828-AG11D	28		Gold	Tin/Lead
814-AG12D-ES	814-AG12D	14	Tin/Lead	Tin/Lead	828-AG11D-ESL	828-AG11D	28	Low Gold		Tin/Lead	
348469	348469	16	.300 (7.62)	Gold	Tin/Lead	828-AG12D-ES	828-AG12D	28	Gold	Tin/Lead	
816-AG10D-ES	816-AG10D	16		Gold	Gold	348478	348478	32	.400 (10.16)	Gold	Tin/Lead
816-AG10D-ESL	816-AG10D	16		Low Gold	Gold	348481	348481	32	.600 (15.24)	Gold	Tin/Lead
816-AG11D-ES	816-AG11D	16		Gold	Tin/Lead	832-AG10D-ES	832-AG10D	32		Gold	Gold
816-AG11D-ESL	816-AG11D	16		Low Gold	Tin/Lead	832-AG10D-ESL	832-AG10D	32		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	832-AG11D	32	Low Gold	Tin/Lead	832-AG11D-ESL	832-AG11D	32	Low Gold		Tin/Lead	
348470	348470	18	.300 (7.62)	Gold	Tin/Lead	832-AG12D-ES	832-AG12D	32	Gold	Tin/Lead	
818-AG10D-ES	818-AG10D	18		Gold	Gold	348482	348482	36	.600 (15.24)	Gold	Tin/Lead
818-AG10D-ESL	818-AG10D	18		Low Gold	Gold	836-AG10D-ES	836-AG10D	36		Gold	Gold
818-AG11D-ES	818-AG11D	18		Gold	Tin/Lead	836-AG10D-ESL	836-AG10D	36		Low Gold	Gold
818-AG11D-ESL	818-AG11D	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	836-AG11D	36	Low Gold		Tin/Lead	
348471	348471	20	.300 (7.62)	Gold	Tin/Lead	836-AG12D-ES	836-AG12D	36	Gold	Tin/Lead	
820-AG10D-ES	820-AG10D	20		Gold	Gold	348483	348483	40	.600 (15.24)	Gold	Tin/Lead
820-AG10D-ESL	820-AG10D	20		Low Gold	Gold	840-AG10D-ES	840-AG10D	40		Gold	Gold
820-AG11D-ES	820-AG11D	20		Gold	Tin/Lead	840-AG10D-ESL	840-AG10D	40		Low Gold	Gold
820-AG11D-ESL	820-AG11D	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	840-AG11D	40	Low Gold		Tin/Lead	
348472	348472	22	.300 (7.62)	Gold	Tin/Lead	840-AG12D-ES	840-AG12D	40	Gold	Tin/Lead	
348475	348475	22	.400 (10.16)	Gold	Tin/Lead	348484	348484	42	.600 (15.24)	Gold	Tin/Lead
822-AG10D-ES	822-AG10D	22		Gold	Gold	842-AG10D-ES	842-AG10D	42		Gold	Gold
822-AG10D-ESL	822-AG10D	22		Low Gold	Gold	842-AG10D-ESL	842-AG10D	42		Low Gold	Gold
822-AG11D-ES	822-AG11D	22		Gold	Tin/Lead	842-AG11D-ES	842-AG11D	42		Gold	Tin/Lead
822-AG11D-ESL	822-AG11D	22		Low Gold	Tin/Lead	842-AG11D-ESL	842-AG11D	42		Low Gold	Tin/Lead
822-AG12D-ES	822-AG12D	22	Tin/Lead	Tin/Lead	842-AG12D-ES	842-AG12D	42	Gold	Tin/Lead		
348473	348473	24	.300 (7.62)	Gold	Tin/Lead	348485	348485	48	.600 (15.24)	Gold	Tin/Lead
824-AG30D-ES	824-AG30D	24		Gold	Gold	848-AG10D-ES	848-AG10D	48		Gold	Gold
824-AG30D-ESL	824-AG30D	24		Low Gold	Gold	848-AG10D-ESL	848-AG10D	48		Low Gold	Gold
824-AG31D-ES	824-AG31D	24		Gold	Tin/Lead	848-AG11D-ES	848-AG11D	48		Gold	Tin/Lead
824-AG31D-ESL	824-AG31D	24		Low Gold	Tin/Lead	848-AG11D-ESL	848-AG11D	48		Low Gold	Tin/Lead
824-AG32D-ES	824-AG32D	24	Tin/Lead	Tin/Lead	848-AG12D-ES	848-AG12D	48	Gold	Tin/Lead		
348476	348476	24	.400 (10.16)	Gold	Tin/Lead	348486	348486	50	.600 (15.24)	Gold	Tin/Lead
824-AG65D-ES	824-AG65D	24		Gold	Gold	348488	348488	50	.900 (22.86)	Gold	Tin/Lead
824-AG65D-ESL	824-AG65D	24		Low Gold	Gold						
824-AG66D-ES	824-AG66D	24		Gold	Tin/Lead						
824-AG66D-ESL	824-AG66D	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

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.

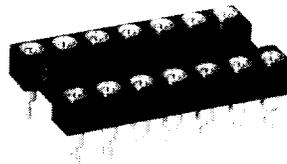
Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

High Retention Series

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

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:

- InsulatorThermoplastic polyester, UL rated 94V-0
- Outer SleeveBrass
- ContactsBeryllium 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

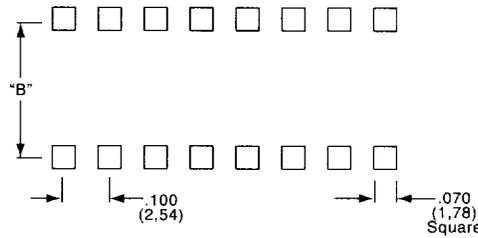
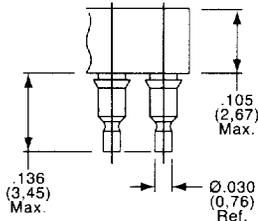
- Contact Resistance10 Milliohms max.
- Contact Rating3 Amps
- Capacitance1.0 pF per MIL-STD-202, Method 305 (contact to contact)
- Insulation Resistance5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
- Dielectric Withstanding Voltage1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

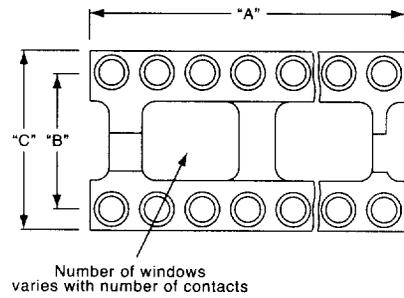
- HumidityPassed MIL-STD-1344, Method 1002.2, Cond. II
- Thermal ShockPassed MIL-STD-1344, Method 1003.1, Cond. A
- Operation TemperatureGold inner contact -55°C to +125°C, Tin/lead inner contact -55°C to +105°C

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.



Sockets