



- ⚠ PIN CONTACTS: PHOSPHOR BRONZE.  
PLUG SHELL: STEEL.  
PLUG HOUSING AND TERMINATING COVERS: THERMOPLASTIC, BLACK, UL V-0 RATED.
- ⚠ 0.25μm [.000010] MIN TIN-NICKEL OVER 3.81μm [.000150] MIN NICKEL OVER 2.54μm [.000100] MIN COPPER.
- ⚠ EITHER 0.76μm [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76μm [.000030] MIN TOTAL IN LOCALIZED PLATE AREA, 1.52μm [.000060] MIN TIN-LEAD IN TERMINATION AREA, ALL OVER 1.27μm [.000050] MIN NICKEL.
- ⚠ GOLD FLASH IN LOCALIZED GOLD PLATE AREA, 1.52μm [.000060] MIN TIN-LEAD IN TERMINATION AREA, ALL OVER 1.27μm [.000050] MIN NICKEL.
- ⚠ 500 CYCLES DURABILITY PER 108-1228 DOES NOT APPLY FOR CONNECTORS WITH LESS THAN 0.76μm [.000030] THICK GOLD.
- ⚠ TERMINATING COVERS ARE PACKAGED SEPARATELY.
- 7. RECOMMENDED WIRE: 28 AWG OR 30 AWG, SOLID OR 7 STRAND, PVC INSULATION WITH A 0.74-0.91 [.029-.036] INSULATION DIAMETER.
- ⚠ 2.54μm - 7.62μm [.000100 - .000300] TIN-NICKEL OVER 3.81μm - 5.08μm [.000150 - .000200] NICKEL OVER 2.54μm [.000100] MIN COPPER.
- ⚠ 5.08μm - 10.16μm [.000200 - .000400] TIN-LEAD OVER 1.27μm - 2.54μm [.000050 - .000100] COPPER. LUBRICATED AFTER PLATING.
- ⚠ PLATED WITH EITHER 0.76μm [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76μm [.000030] MIN TOTAL IN LOCALIZED PLATE AREA, 3.00μm [.000118] MIN TIN IN TERMINATION AREA, ALL OVER 1.27μm [.000050] MIN NICKEL.

	E	D	C	B	A	SHELL FINISH	CONTACT FINISH	NO OF POSN	PART NUMBER
SUPERSEDED BY 5749621-9	9.47 [.373]	71.86 [2.829]	66.60 [2.622]	62.23 [2.450]	49	⚠	⚠	100	1-749621-8
SUPERSEDED BY 5749621-5	7.44 [.293]	40.11 [1.579]	34.85 [1.372]	30.48 [1.200]	24	⚠	⚠	50	1-749621-7
	7.44 [.293]	51.54 [2.029]	46.28 [1.822]	41.91 [1.650]	33	⚠	⚠	68	1-749621-6
OBSOLETE	7.44 [.293]	40.11 [1.579]	34.85 [1.372]	30.48 [1.200]	24	⚠	⚠	50	1-749621-5
OBSOLETE	7.44 [.293]	31.22 [1.229]	25.96 [1.022]	21.59 [.850]	17	⚠	⚠	36	1-749621-1
OBSOLETE	9.47 [.373]	84.56 [3.329]	79.30 [3.122]	74.93 [2.950]	59	⚠	⚠	120	1-749621-0
OBSOLETE	9.47 [.373]	71.89 [2.829]	66.60 [2.622]	62.23 [2.450]	49	⚠	⚠	100	749621-9
	9.47 [.373]	59.16 [2.329]	53.90 [2.122]	49.53 [1.950]	39	⚠	⚠	80	749621-8
	7.44 [.293]	51.54 [2.029]	46.28 [1.822]	41.91 [1.650]	33	⚠	⚠	68	749621-7
OBSOLETE	7.44 [.293]	46.46 [1.829]	41.20 [1.622]	36.83 [1.450]	29	⚠	⚠	60	749621-6
SUPERSEDED BY 5749621-5	7.44 [.293]	40.11 [1.579]	34.85 [1.372]	30.48 [1.200]	24	⚠	⚠	50	749621-5
OBSOLETE	7.44 [.293]	33.76 [1.329]	28.50 [1.122]	24.13 [.950]	19	⚠	⚠	40	749621-4
OBSOLETE	7.44 [.293]	26.14 [1.029]	20.88 [.822]	16.51 [.650]	13	⚠	⚠	28	749621-3
	7.44 [.293]	24.87 [.979]	19.61 [.772]	15.24 [.600]	12	⚠	⚠	26	749621-2
OBSOLETE	7.44 [.293]	21.06 [.829]	15.80 [.622]	11.43 [.450]	9	⚠	⚠	20	749621-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]  
 TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0 PLC ± -  
 1 PLC ± -  
 2 PLC ± 0.38 [.015]  
 3 PLC ± -  
 4 PLC ± -  
 ANGLES ± -  
 MATERIAL: ⚠  
 FINISH: SHELL: SEE TABLE

DWN: M.E. SHIRK 03/31/89  
 CHK: JOHN A. ROOT 04/03/89  
 NAME: -  
 PRODUCT SPEC: 108-1228 ⚠  
 APPLICATION SPEC: 114-40029  
 WEIGHT: -  
 CUSTOMER DRAWING

STE TE Connectivity  
 KIT, PLUG ASSEMBLY, AMPLIMITE .050 Series  
 SIZE: A1  
 CASE CODE: 00779  
 DRAWING NO: 749621  
 RESTRICTED TO: -  
 SCALE: 5:1 SHEET 1 OF 1 REV AA1

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