



1 MATERIAL:
 FRONT INSULATOR: PBT, 30 %GF, UL94V-0, BLACK COLOR
 BACK INSULATOR: PBT, 30 %GF, UL94V-0, BLACK COLOR
 CONTACT: BRASS
 FRONT SHELL: STEEL
 BACK SHELL: STEEL
 CLINCH NUTS: BRASS

2 FINISH:
 CONTACT: GOLD PLATING 0.00002[.0000008] MIN ON CONTACT AREA 0.00229 [.000090] MIN TIN-LEAD PLATING ALL OVER 0.00127[.000050] MIN NICKEL

3 CONTACT: GOLD PLATING 0.00076[.000030] MIN ON CONTACT AREA 0.00229 [.000090] MIN TIN-LEAD PLATING ALL OVER 0.00127[.000050] MIN NICKEL

4 SHELL: BRIGHT TIN 0.00241[.000095] MIN FULL SHELL

5 SHELL: BLUE ZINC: 0.00508[.000200] – 0.00762[.000300] OVER ENTIRE SHELL

6 CONTACT: GOLD PLATING 0.00002[.0000008] MIN ON CONTACT AREA 0.00229 [.000090] MIN HOT DIPPED TIN-COPPER PLATING ALL OVER 0.00127[.000050] MIN NICKEL.

7 CLINCH NUTS: NICKEL PLATING .00305–.00508[.000120–.000200]

8 SPECIFICATION
 ELECTRICAL CHARACTERISTICS: CURRENT RATING: 3 AMPERES
 DIELECTRIC WITHSTANDING VOLTAGE: AC 1000V r.m.s.
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM AT DC 500V
 CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM.

9 ROHS 2002/95/EC COMPLIANT

10 PLUG ASSEMBLY MATES WITH ANY 25 POSITION RECEPTACLE IN AMPLIMITE SERIES
 SOLDER CUP WILL ACCOMMODATE 20 MAX AWG WIRE.

11 CONTACT: GOLD PLATING 0.00076[.000030] MIN ON CONTACT AREA 0.00229[.000090] MIN HOT DIPPED TIN-COPPER ALL OVER 0.00127[.000050] MIN NICKEL PLATING

9	STANDARD	NO	NO	6	4	5-747912-4	
9	STANDARD	YES	YES	6	4	5-747912-7	
9	STANDARD	NO	YES	1	4	5-747912-5	
9	STANDARD	NO	YES	6	4	5-747912-2	
9	OBsolete	STANDARD	NO	YES	6	4	747912-8
9	OBsolete	STANDARD	YES	YES	2	4	747912-7
9	OBsolete	STANDARD	NO	YES	3	4	747912-5
9	OBsolete	STANDARD	NO	NO	2	5	747912-4
9	OBsolete	STANDARD	NO	YES	2	4	747912-2
	PACKAGING TYPE	CLINCH NUTS	GROUNDING INDENTS	CONTACTS	SHELLS	PART NO.	

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009	DWNR 03MAR03 M.BINNER CHK 05MAR03 R.BENDORF
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC	± –
1 PLC	± 0.25
2 PLC	± 0.13
3 PLC	± 0.05
4 PLC	± –
ANGLES	± 4°
PRODUCT SPEC	—
APPLICATION SPEC	—
MATERIAL	FINISH
1	SEE TABLE
WEIGHT	—
CUSTOMER DRAWING	—



TE Connectivity

NAME	PLUG ASSEMBLY, SOLDER CUP, SIZE 3, 25 POSN, HD-20, AMPLIMITE
SIZE	CAGE CODE
A2	DRAWING NO
00779	C-747912
RESTRICTED TO	—
SCALE	2:1
1	1 OF 1
REV	Y

Mouser Electronics

Authorized Distributor

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[5-747912-5](#)