



LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
D	REV	PER	EC	OG3C-0606-04	19OCT04	MB	JO

- NOTES :
- 1 MATERIAL  
INSERT: PBT, BLACK, UL94V-0 RATED  
CONTACT & JACKSCREWS: BRASS  
SHELLS & SHIELD: STEEL  
ENCLOSURE: PVC, BLACK
- 2 FINISH  
CONTACT: GOLD PLATING 0.02µm[.000008] MIN ON CONTACT AREA/2.3µm[.000090] MIN  
TIN-LEAD PLATING ON SOLDER AREA. ALL OVER 1.27µm[.000050] MIN NICKEL.  
SHELL: 2.4µm[.000095] MIN TIN  
SHIELD: 2.0-3.0µm[.000080-.000120] TIN
3. 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.
4. PLUG CONNECTOR FULLY LOADED WITH CONTACTS.  
ALL OTHER PARTS ARE SHIPPED UNASSEMBLED, EACH  
PART INDIVIDUALLY BULK PACKED.
5. SOLDER CUP WILL ACCOMMODATE 20 MAX AWG WIRE.
- 6 FINISH  
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SHIELD: 2.0-3.0µm[.000080-.000120] TIN
- 7 LEAD FREE PART.
- 8 PRELIMINARY PART.

ASSEMBLY INSTRUCTIONS

- A. USE SHIELD ENCLOSURE EXPANSION TOOL, 58241-1 TO GET ENCLOSURE ON CABLE.
- B. PREPARE CABLE AS SHOWN.
- C. PLACE CABLE THROUGH SHIELD.
- D. SOLDER CONDUCTORS TO CONTACTS.
- E. PRESS SHIELD ONTO CONNECTOR AS SHOWN.
- F. SOLDER SHIELD TO CONNECTOR AS SHOWN (OPTIONAL).
- G. METALLIC SHIELD SURFACES AND INTERIOR ENCLOSURE SURFACE MUST BE CLEAN AND DRY PER 3M REQUIREMENTS.
- H. CUT TWO PIECES OF 3M/SCOTCH VHB 4926, DOUBLE COATED ADHESIVE TAPE 6 TO 8mm WIDE BY 19 TO 21mm LONG.
- I. APPLY TAPE TO METALLIC SHIELD SURFACE. LENGTHWISE. ADJACENT TO CONNECTOR FLANGE.
- J. REMOVE ADHESIVE BACKING FROM TAPE AND PUSH ENCLOSURE OVER METALLIC SHIELD.
- K. BOND STRENGTH IS DEPENDANT ON THE AMOUNT OF SURFACE CONTACT DEVELOPED. A FIRM APPLICATION DEVELOPS A BETTER BOND. ULTIMATE SURFACE CONTACT CAN BE ACCOMPLISHED BY CLAMPING ENCLOSURE TO THE SHIELD. CARE SHOULD BE TAKEN NOT TO MAR THE POLYMER SURFACE. SHIMS MAY BE REQUIRED TO EVENLY DISTRIBUTE THE CLAMPING FORCE ACCROOS THE POLYMER.
- L. ULTIMATE BOND STRENGTH IS DEVELOPED AFTER 72 HOURS, BUT MAY BE ACCELERATED BY EXPOSURE TO 66°C FOR 1 HOUR, IF THE CLAMPS ARE COMPATIBLE WITH THIS TEMPERATURE.
- M. INSERT JACK SCREWS.

8	6	10.8 [.425]	7	1571651-6
8	6	9.5 [.374]	7	1571651-5
8	6	7.2 [.283]	7	1571651-4
	2	10.8 [.425]		1571651-3
	2	9.5 [.374]		1571651-2
	2	7.2 [.283]		1571651-1
FINISH		CABLE DIA L	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN M. BINNER	21NOV03	tyco Electronics		Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		PRODUCT SPEC	
0 PLC ± -		1 PLC ± 0.3[.012]		APVD		108-40031	
2 PLC ± -		3 PLC ± -		APPLICATION SPEC		15 POSITION, SIZE 2	
4 PLC ± -		ANGLES ± -		SIZE		CAGE CODE	
MATERIAL		FINISH		WEIGHT		DRAWING NO	
1		2		A1		00779	
CUSTOMER DRAWING		SCALE		SHEET		REV	
		4:1		1 of 1		D	