

NON ROHS COMPLAINT VERSION

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[.0000008] 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] MIN
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  
CONTACT: GOLD PLATING 0.02µm[.0000008] MIN ON CONTACT AREA/2.3µm[.000090] MIN  
TIN PLATING ON SOLDER AREA. ALL OVER 1.27µm[.000050] MIN NICKEL.  
SHELL: 2.4µm[.000095] MIN TIN  
SHIELD: 2.0-3.0µm[.000080-.000120] MIN
- 8 ROHS 2002/95/EC COMPLIANT PART (SEE SHEET 2).

ASSEMBLY INSTRUCTIONS

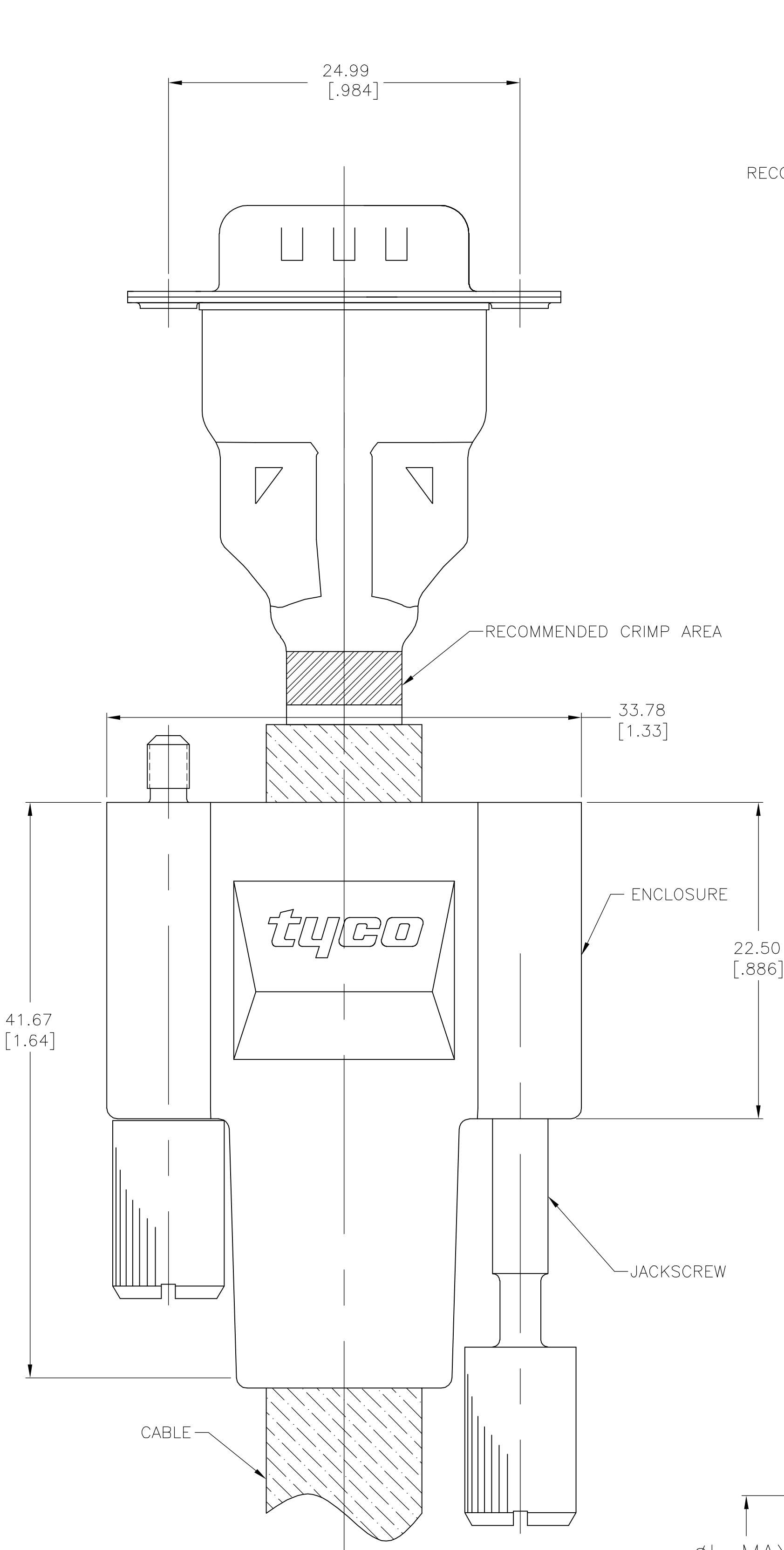
- A. USE SHIELD ENCLOSURE EXPANSION TOOL, 58241-1 TO GET ENCLOSURE ON CABLE.
- B. PREPARE CABLE AS SHOWN.
- C. PLACE CABLE THROUGH SHIELD.
- D. SOLDER CONDUCTORS TO CONTACTS.
- E. PRESS SHIELD ONTO CONNECTOR AS SHOWN
- F. SOLDER SHIELD TO CONNECTOR AS SHOWN (OPTIONAL).
- G. METALLIC SHIELD SURFACES AND 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 10 TO 18mm 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 ACROSS 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 JACKSCREWS.

8	6	10.8 [.425]	1571650-6
8	6	9.5 [.374]	1571650-5
8	6	7.2 [.283]	1571650-4
SUPERSEDED BY 1571650-6	2	10.8 [.425]	1571650-3
SUPERSEDED BY 1571650-5	2	9.5 [.374]	1571650-2
SUPERSEDED BY 1571650-4	2	7.2 [.283]	1571650-1
	FINISH	CABLE DIA L	PART NUMBER

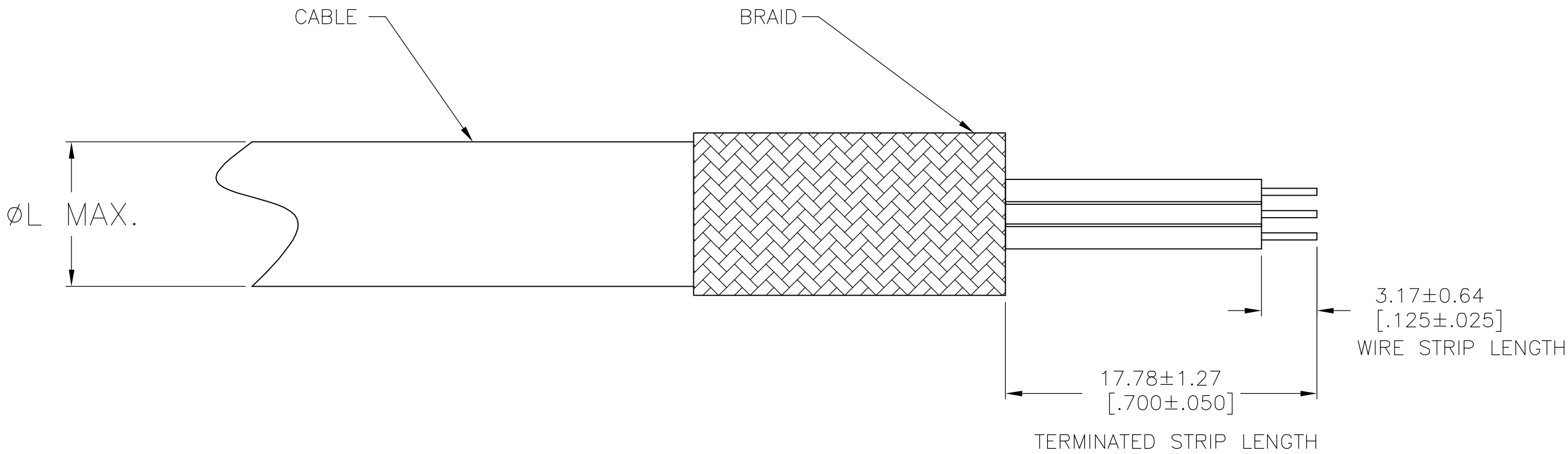
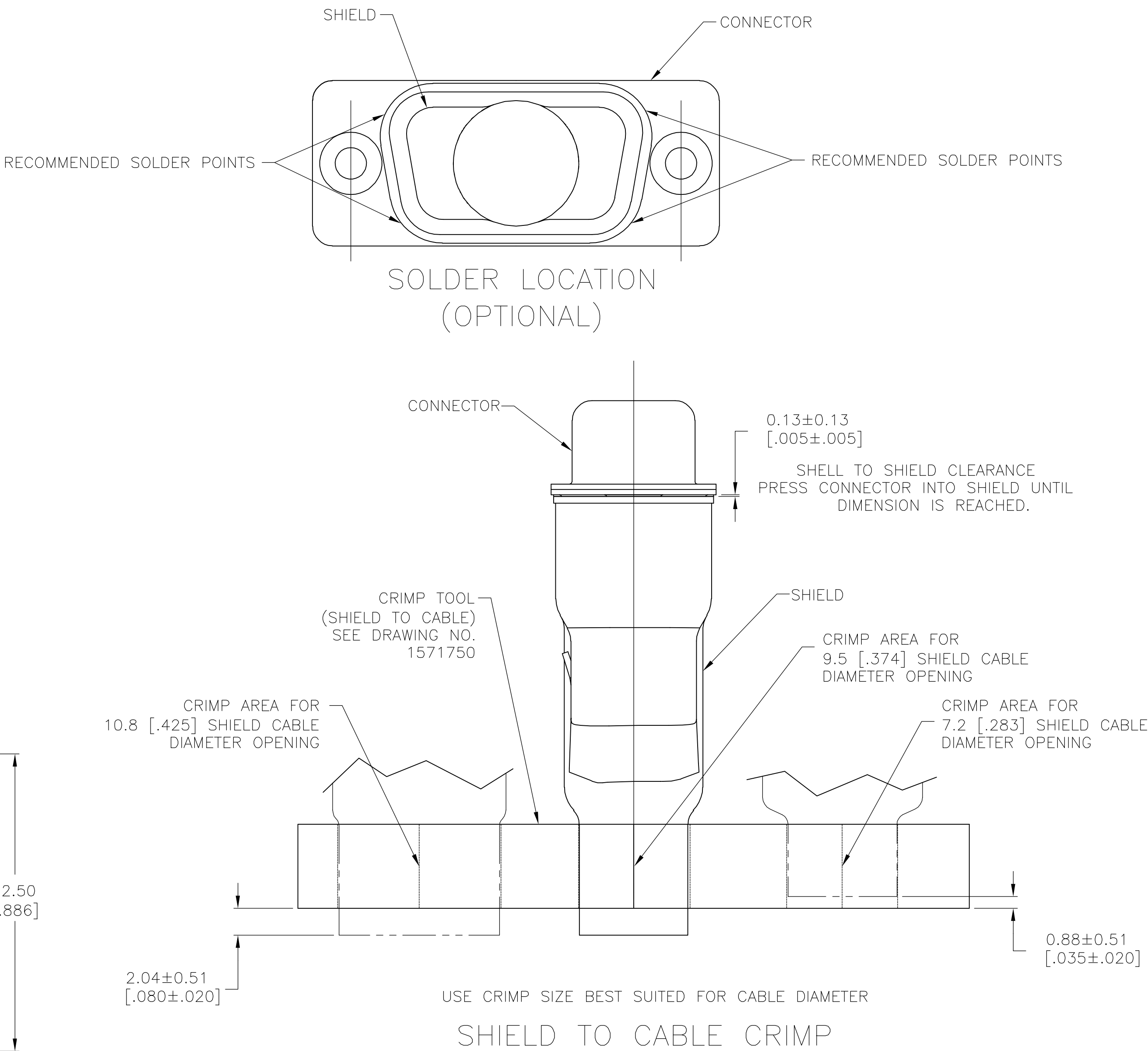
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	21NOV03	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: mm [INCHES]		CHK -	APVD -	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-40031		BULK KIT, PLUG, AMPLIMITE SOLDER CUP SHIELDING ENCLOSURE 9 POSITION, SIZE 1	
0 PLC ± - 1 PLC ± 0.3[.012] 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		APPLICATION SPEC		SIZE A1	
MATERIAL 1		WEIGHT -		CAGE CODE 00779	
FINISH 2 6		DRAWING NO 1571650		RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 2	
				REV D3	

LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				—	—	SEE SHEET 1	—	—	—

ROHS 2002/95/EC COMPLIANT VERSION



EXPLODED VIEW OF ASSEMBLED KIT



CABLE PREPARATION

ASSEMBLY INSTRUCTIONS

- USE SHIELD ENCLOSURE EXPANSION TOOL, 58241-1 TO GET ENCLOSURE ON CABLE.
- PREPARE CABLE AS SHOWN.
- PLACE CABLE THROUGH SHIELD.
- SOLDER CONDUCTORS TO CONTACTS.
- PRESS SHIELD ONTO CONNECTOR AS SHOWN.
- SOLDER SHIELD TO CONNECTOR AS SHOWN (OPTIONAL).
- CRIMP SHIELD TO CABLE AS SHOWN IN CRIMP DETAIL.
- PRESS ENCLOSURE OVER SHIELD UNTIL CONNECTOR FLANGE IS FLUSH WITH ENCLOSURE EDGE.
- INSERT JACKSCREWS.

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MATERIAL		2 6		APPLICATION SPEC		RESTRICTED TO	
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CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 2		REV D3	