

# Customer Information Sheet

DRAWING No.: M80-899XXXX

IF IN DOUBT - ASK

©

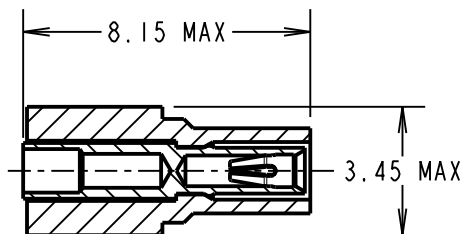
NOT TO SCALE

THIRD ANGLE PROJECTION

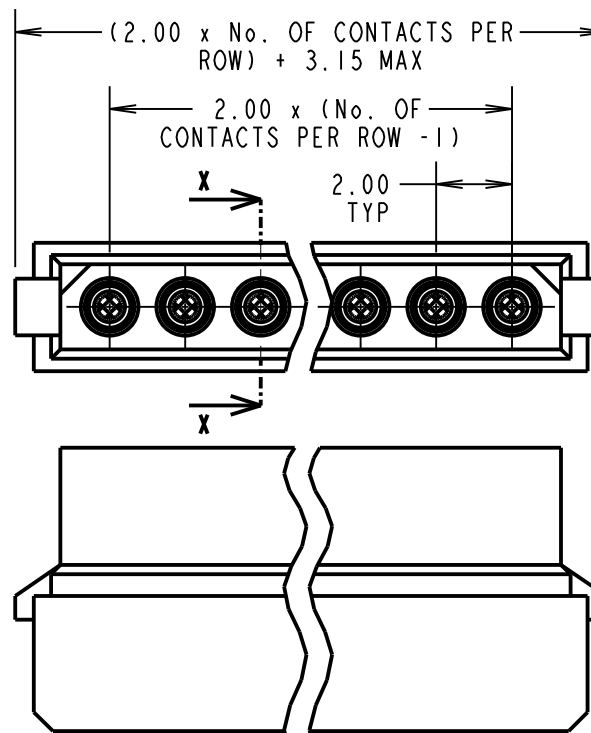
ALL DIMENSIONS IN mm

BRITISH STANDARD  
 ORDER CODE: TO BS9525 F0033  
**B5740-1XX-F-D-X**  
 TOTAL No. OF CONTACTS:   
 02 - 07 & 17  
 FINISH:   
 0 = GOLD CLIP, TIN SHELL  
 2 = GOLD CLIP, GOLD SHELL

ORDER CODE:  
**M80-899XXXX**  
 TOTAL No. OF CONTACTS:   
 02 - 07 & 17  
 FINISH:   
 01 = GOLD CLIP, TIN SHELL  
 05 = GOLD CLIP, GOLD SHELL



SECTION X-X



**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = GLASS-FILLED POLYESTER UL94V-0, BLACK  
 CLIP = BERYLLIUM COPPER  
 SHELL = COPPER ALLOY

**FINISH:**  
 01 = 0.30µ GOLD CLIP, 4.0µ 100% TIN OVER NICKEL SHELL  
 05 = 0.30µ GOLD CLIP, 0.28µ GOLD SHELL

**ELECTRICAL:**  
 CUURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 CONTACT RESISTANCE:  
 INITIAL: 20mΩ MAX  
 AFTER CONDITIONING: 25mΩ MAX  
 INSULATION RESISTANCE:  
 INITIAL = 1000MΩ MIN  
 AFTER CONDITIONING = 100MΩ MIN

**MECHANICAL:**  
 DURAILITY = 500 OPERATIONS  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C  
 PACKING = BAG (CONTACTS AND MOULDINGS UN-ASSEMBLED)  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

**NOTES:**

1. RECOMMENDED WIRE TYPE = BS3G210 TYPE A, PTFE INSULATED, 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm.
2. FOR EXTRA CONTACTS, USE PART NUMBER M80-0110005 FOR M80-899XX05 AND M80-0110001 FOR M80-899XX01.
4. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
5. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

MSP	13	29.10.14	12649
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		S.BENNETT	
DRAWN:		W. J. BOURNE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
**ANGLES = ±5°**  
 UNLESS STATED

**MATERIAL:**  
 SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:** DATAMATE CRIMP SIL SOCKET ASSEMBLY LARGE BORE (22AWG)  
**DRAWING NUMBER:** M80-899XXXX