

Customer Information Sheet

DRAWING No.: M80-461XXXX		SHEET 2 OF 2		IF IN DOUBT - ASK		THIRD ANGLE PROJECTION		ALL DIMENSIONS IN mm	
DIM 'C'		DIM 'B'		DIM 'A'		PART SECTION X-X		SPECIFICATIONS:	
5.55 MAX		2.00 TYP		2.00		7.55 MAX		MATERIAL: MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK CONTACT CLIP = BERYLLIUM COPPER CONTACT SHELL = COPPER ALLOY JACKSCREW, CIRCLIP = STAINLESS STEEL FINISH (ALL OVER NICKEL): 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL	
2 x M2x0.4		CONTACT No. 1		2 x 3.0 A/F		ELECTRICAL: CURRENT RATING AT 25°C = 3.0A MAX CURRENT RATING AT 85°C = 2.2A MAX WORKING VOLTAGE = 120V AC/DC VOLTAGE PROOF = 360V AC/DC CONTACT RESISTANCE = 25 mΩ MAX INSULATION RESISTANCE = 100 MΩ MIN		MECHANICAL: DURABILITY = 500 OPERATIONS INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN ENVIRONMENTAL: TEMPERATURE RANGE = -55°C TO +125°C PACKING: LOOSE FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)	

ORDER CODE: M80-461XXXX		TOTAL No. OF CONTACTS - 2		TOTAL No. OF CONTACTS + 5		TOTAL No. OF CONTACTS + 10		EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT AREA AND 100% TIN ON TAIL, M80-4612042	
FINISH 05 - GOLD CLIP, GOLD SHELL 42 - GOLD CLIP, 100% TIN SHELL		DIM 'A' = 18.00mm, DIM 'B' = 25.00mm DIM 'C' = 30.00mm		HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com		HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk		HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg	
TOLERANCES X. = ±1mm X.X = ±0.25mm X.XX = ±0.10mm X.XXX = ±0.01mm ANGLES = ±5° UNLESS STATED		THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.		MATERIAL: SEE ABOVE		TITLE: JACKSCREW DATAMATE DIL CRIMP (SMALL BORE) FEMALE ASSEMBLY		DRAWING NUMBER: M80-461XXXX	
FINISH: SEE ABOVE		S/AREA: mm²		SHT 2 OF 2					

NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-461XX05 AND M80-0130001 FOR M80-461XX42.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

SM	4	22.07.11	11389
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

