

# Customer Information Sheet

DRAWING No.: M80-4D1XXXXFB

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

### MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

JACKSCREW, CIRCLIP = STAINLESS STEEL

### FINISH:

05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL

42 = 0.3µ GOLD CLIP,

3.5-5.0µ 100% TIN OVER NICKEL SHELL

### ELECTRICAL:

CURRENT 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 = 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

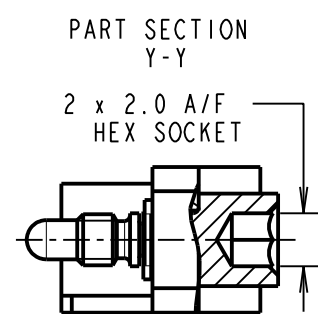
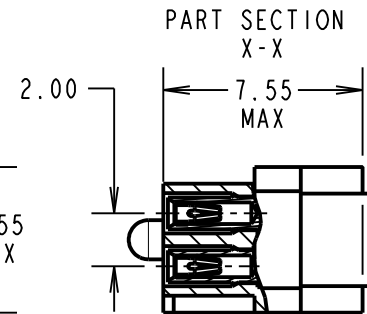
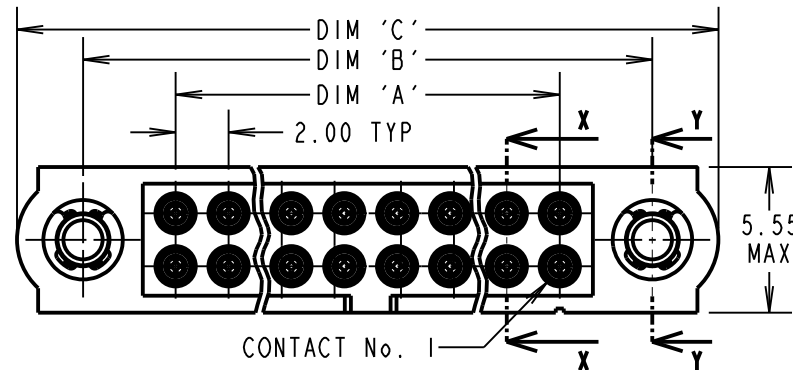
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

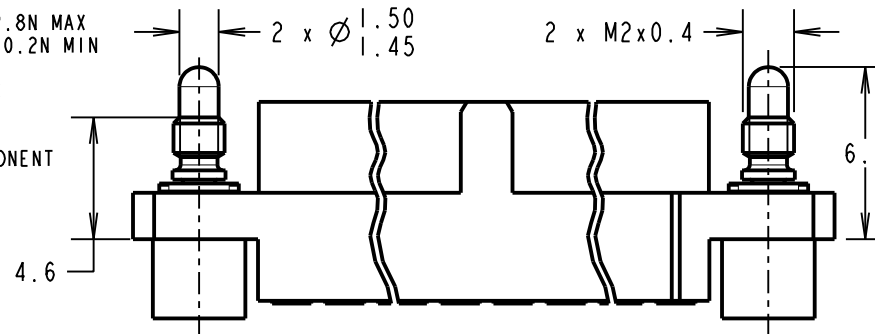
LOOSE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



## NOTES:

- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART No's.  
M80-0110001 FOR M80-4D1XX42FB  
M80-0110005 FOR M80-4D1XX05FB
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 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 & EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.



| DIMENSION                                                                                    | CALCULATION                |
|----------------------------------------------------------------------------------------------|----------------------------|
| DIM 'A'                                                                                      | TOTAL No. OF CONTACTS - 2  |
| DIM 'B'                                                                                      | TOTAL No. OF CONTACTS + 5  |
| DIM 'C'                                                                                      | TOTAL No. OF CONTACTS + 10 |
| EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4D12042FB |                            |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm                                      |                            |

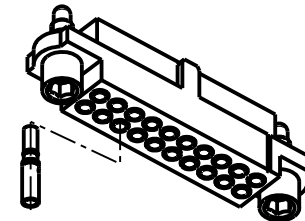
## ORDER CODE:

**M80-4D1XXXXFB**

TOTAL No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)

## FINISH CODE

05 - GOLD CLIP, GOLD SHELL  
42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



|                |      |          |        |
|----------------|------|----------|--------|
| MGP            | 2    | 04.09.12 | 11761  |
| NAME           | ISS. | DATE     | C/NOTE |
| APPROVED: MGP  |      |          |        |
| CHECKED: SB    |      |          |        |
| DRAWN: R.ADDE  |      |          |        |
| 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 J-TEK  
FEMALE CRIMP ASSY (LARGE BORE)  
WITH HEX SOCKET JACKSCREW

DRAWING NUMBER:

**M80-4D1XXXXFB**

SHT  
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