

# Customer Information Sheet

DRAWING No.: M80-845XXX

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

### MATERIAL:

MOULDING = HIGH TEMP. POLYAMIDE 46,  
UL94V-0, BLACK

CLIP = BERYLLIUM COPPER

SHELL = COPPER ALLOY

### FINISH:

42 = 0.30µ GOLD CLIP, 4.0µ 100% TIN  
OVER NICKEL SHELL

45 = 0.30µ GOLD CLIP, 0.28µ GOLD SHELL

### 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:

INITIAL = 25mΩ MAX

AFTER CONDITIONING = 20mΩ MAX

### INSULATION RESISTANCE:

INITIAL = 1000MΩ MIN

AFTER CONDITIONING = 100MΩ MIN

### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE = 2.8N MAX, 1.0N MIN

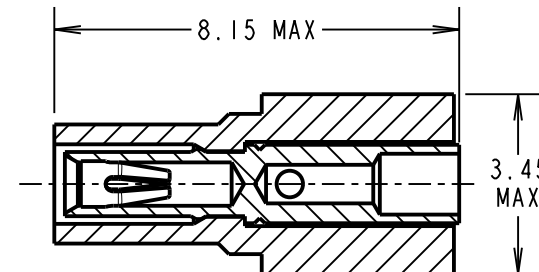
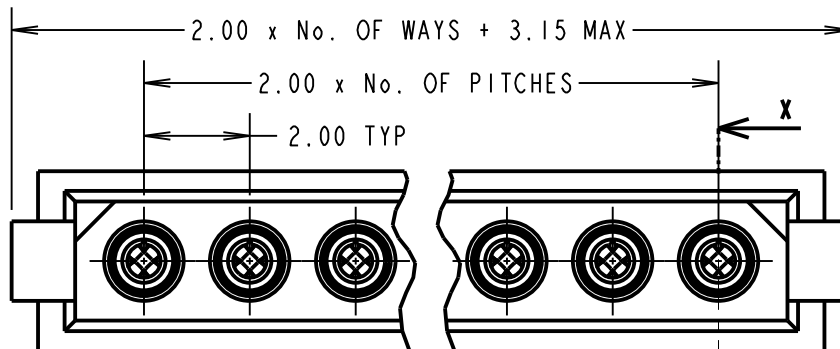
WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN

### PACKING:

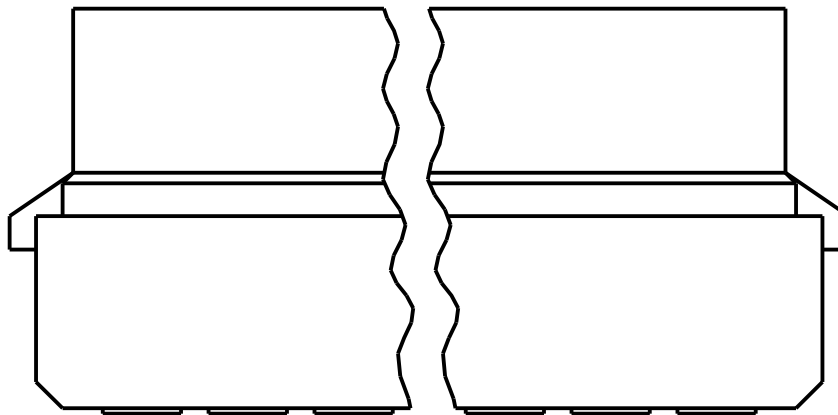
BAGS (CONNECTOR SUPPLIED UN-ASSEMBLED)

FOR COMPLETE SPECIFICATION, SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X



ORDER CODE:

**M80-845XXX**

TOTAL No. OF WAYS \_\_\_\_\_

02 - 07, 17

### FINISH:

42 - GOLD CLIP, 100% TIN SHELL

45 - GOLD CLIP, GOLD SHELL

## NOTES:

1. RECOMMENDED WIRE TYPE = BS3G210 TYPE A, PTFE INSULATED 24 - 28AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm.
2. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. SEE TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
3. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

|                        |      |          |        |
|------------------------|------|----------|--------|
| SM                     | 4    | 08.08.11 | 11389  |
| NAME                   | ISS. | DATE     | C/NOTE |
| APPROVED: S. MCCULLAGH |      |          |        |
| CHECKED: R. ADDE       |      |          |        |
| 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

SMALL BORE (24 - 28 AWG)

DRAWING NUMBER:

**M80-845XXX**

SHT

2 OF 2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-8450642](#) [M80-8450245](#) [M80-8450242](#) [M80-8451745](#) [M80-8450445](#) [M80-8450545](#) [M80-8450645](#) [M80-8450745](#) [M80-8450442](#) [M80-8450542](#)