

# Customer Information Sheet

DRAWING No.: M80-471XXXX

SHEET 2 OF 2

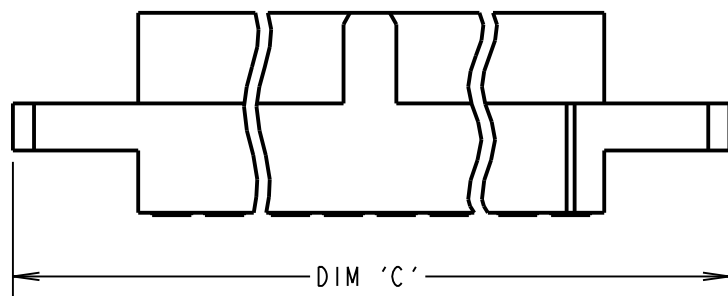
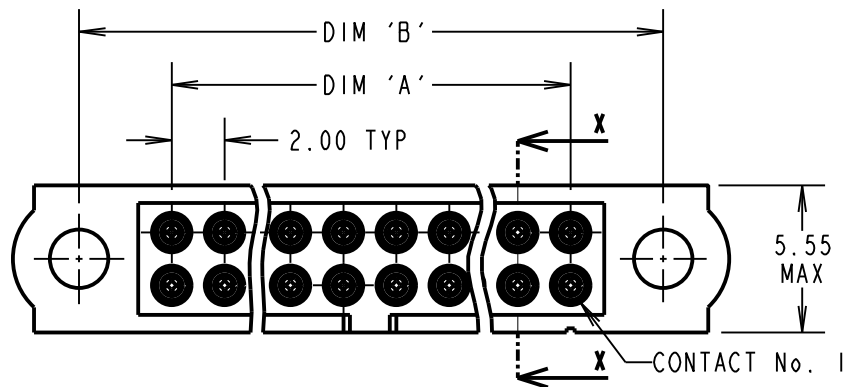
IF IN DOUBT - ASK

C

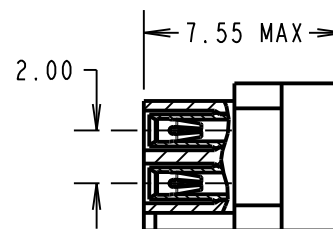
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PART SECTION X-X



## SPECIFICATIONS:

## MATERIAL:

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

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = COPPER ALLOY

## 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 = 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:

M80-471XXXX

TOTAL No. OF CONTACTS

04 TO 50

(EVEN NUMBERS ONLY)

FINISH CODE

05 - GOLD CLIP, GOLD SHELL

42 - GOLD CLIP, 100% TIN SHELL

| 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, M80-4712042 |                            |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm                                    |                            |

## NOTES:

- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-471XX05 AND M80-0130001 FOR M80-471XX42.
- 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. SEE INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

|                         |      |          |        |
|-------------------------|------|----------|--------|
| SM                      | 2    | 01.08.11 | 11389  |
| NAME                    | ISS. | DATE     | C/NOTE |
| APPROVED: S. MCCULLAGH  |      |          |        |
| CHECKED: MARK G PLESTED |      |          |        |
| 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: JACKSCREW DATAMATE  
DIL CRIMP (SMALL BORE)  
FEMALE ASSEMBLY (NO J/S)

DRAWING NUMBER:

M80-471XXXX

SHT  
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# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



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