Customer Information Sheet

DRAWING No.:M80-842XXXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

ORDER CODE:

M80-842XXXX

TOTAL No. OF WAYS
02-07, 17, 22

FINISH
22 - SELECTIVE GOLD + TIN/LEAD
45 - GOLD
42 - SELECTIVE GOLD / 100% TIN

NOTES:
1. 2-OFF STRAIN RELIEF STRAP M80-0030006
ARE INCLUDED WITH EACH CONNECTOR.

SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS-FILLED PPS UL94V-0, BLACK
CONTACTS = PHOSPHOR BRONZE
LATCHES = BERYLLIUM COPPER
FINISH:
CONTACTS (ALL OVER NICKEL):
22 = 0.75µm GOLD ON CONTACT AREA, 3µm 90/10 TIN/LEAD ON TAILS
45 = 0.75µm GOLD
42 = 0.75µm GOLD ON CONTACT AREA, 3.0µm 100% TIN ON TAILS
LATCHES = 1.25µm NICKEL
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 (INITIAL) = 20 mΩ MAX
CONTACT RESISTANCE (AFTER CONDITIONING) = 25 mΩ MAX
INSULATION RESISTANCE (INITIAL) = 1,000 MΩ MIN
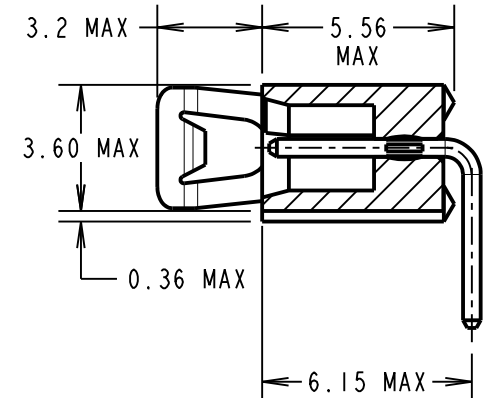INSULATION RESISTANCE (AFTER CONDITIONING) = 100 MΩ MIN
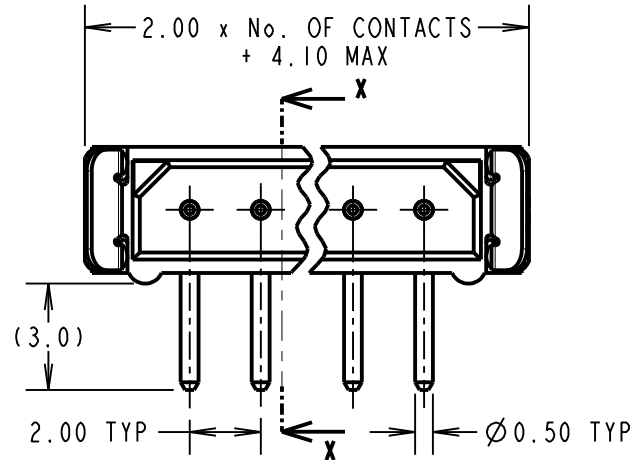MECHANICAL:
DURABILITY = 500 OPERATIONS
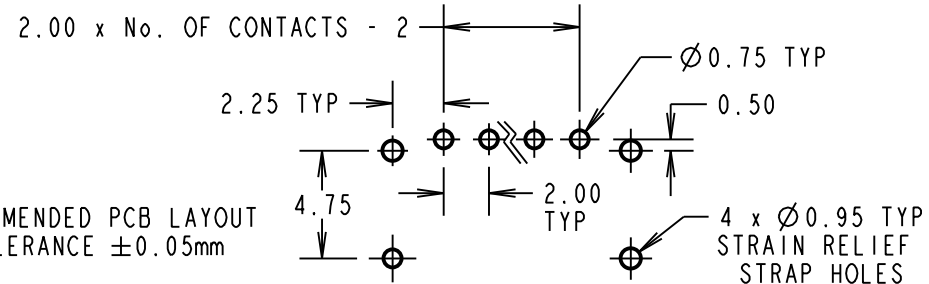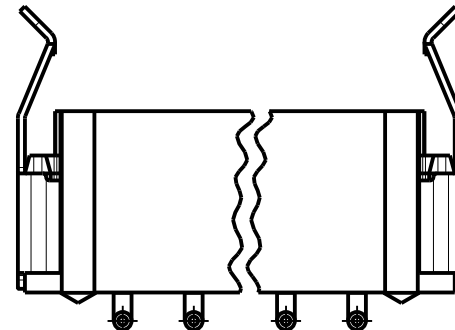ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C
PACKING:
TUBE
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

2.00 x No. OF CONTACTS
+ 4.10 MAX

(3.0)

2.00 TYP

Ø0.50 TYP

3.2 MAX

5.56 MAX

3.60 MAX

0.36 MAX

6.15 MAX

SECTION X-X

OBSOLETE

**Pin counts 17 and 22
Last Time Buy 21-Aug-2020**

2.00 x No. OF CONTACTS - 2

2.25 TYP

Ø0.75 TYP

0.50

4.75

2.00 TYP

4 x Ø0.95 TYP
STRAIN RELIEF
STRAP HOLES

RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05mm

MGP	7	01.12.21	31135
NAME	ISS.	DATE	CN/CO

APPROVED: MGP

CHECKED: RTP

DRAWN: W J BOURNE

CUSTOMER REF.:

ASSEMBLY DRG:

HARWiN

www.harwin.com
technical@harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE ABOVE

FINISH:

S/AREA: mm²

TITLE: DATAMATE 2mm PITCH
HORIZONTAL PC TAIL SIL PLUG
ASSEMBLY - LATCHED (RoHS)

DRAWING NUMBER:
M80-842XXXX

SHT 2 OF 2