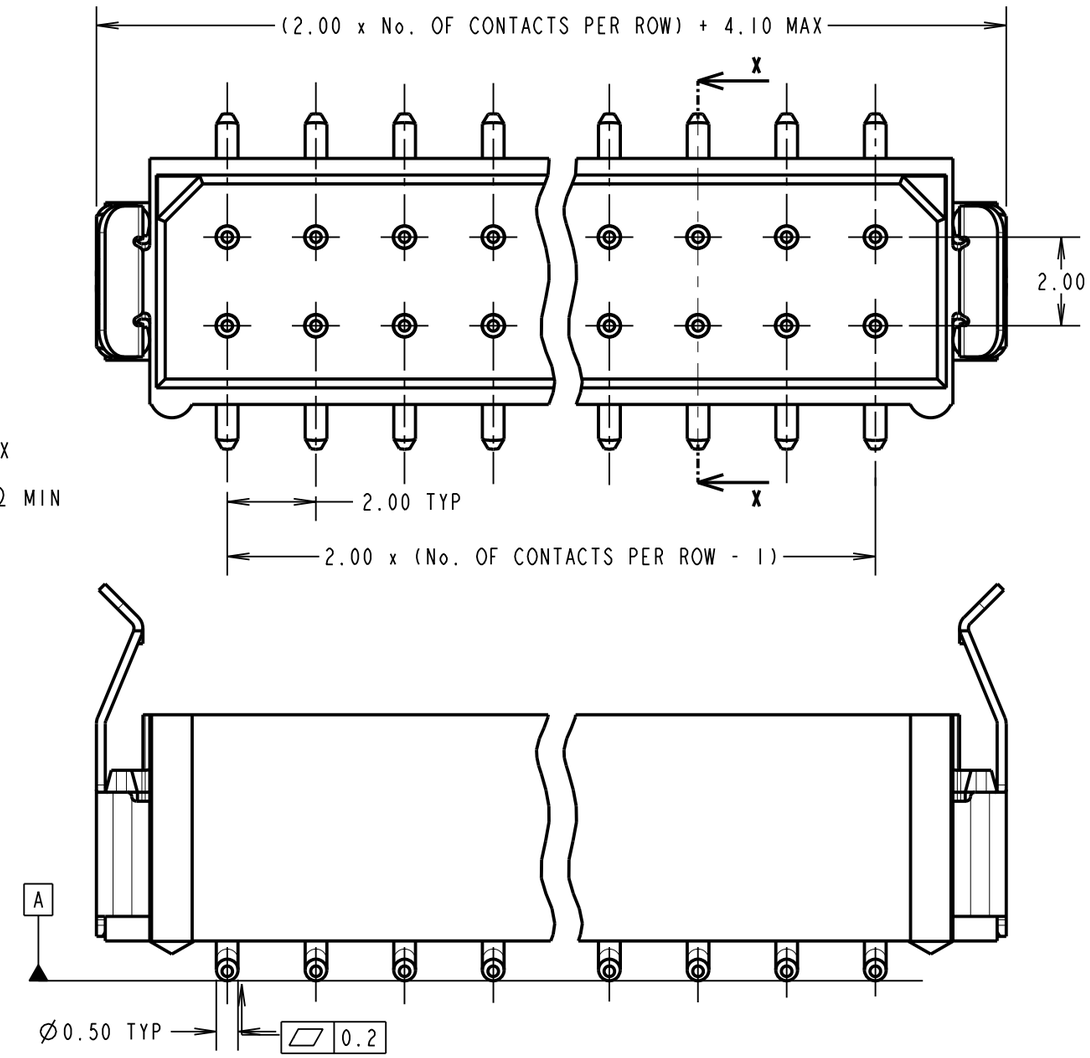
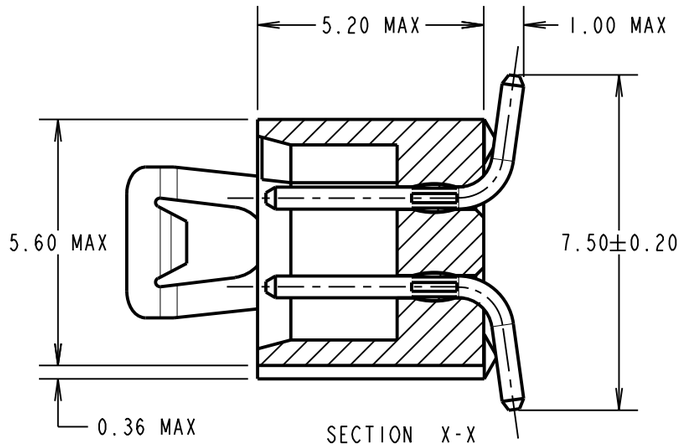
Customer Information Sheet

DRAWING No.: M80-828XXXX	SHEET 2 OF 2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

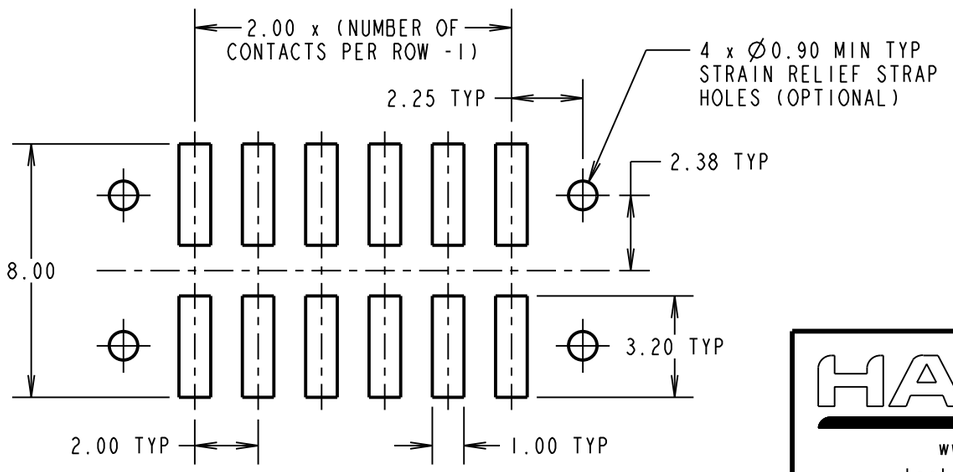
SPECIFICATIONS:
- MATERIAL:
  - MOULDING = G-F PPS UL94V-0, BLACK
  - CONTACTS = PHOSPHOR BRONZE
  - LATCHES - BERYLLIUM COPPER
- FINISH:
  - CONTACTS:
    - 22 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 90/10 TIN/LEAD ON TAILS
    - 42 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 100% TIN OVER NICKEL ON TAILS
    - 45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

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





RECOMMENDED PCB LAYOUT



NOTES:
1. 2-OFF STRAIN-RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.

ORDER CODE:

M80-828XXXX

TOTAL No. OF CONTACTS:
04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

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

SB	14	19.03.14	12414
NAME	ISS.	DATE	C/NOTE
APPROVED:	S.BENNETT		
CHECKED:	M.PLESTED		
DRAWN:	A.LIOTTA		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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.

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: mm²

TITLE: DATAMATE L-TEK MALE DIL VERTICAL SMT ASSEMBLY - LATCHED

DRAWING NUMBER: M80-828XXXX

SHT 2 OF 2