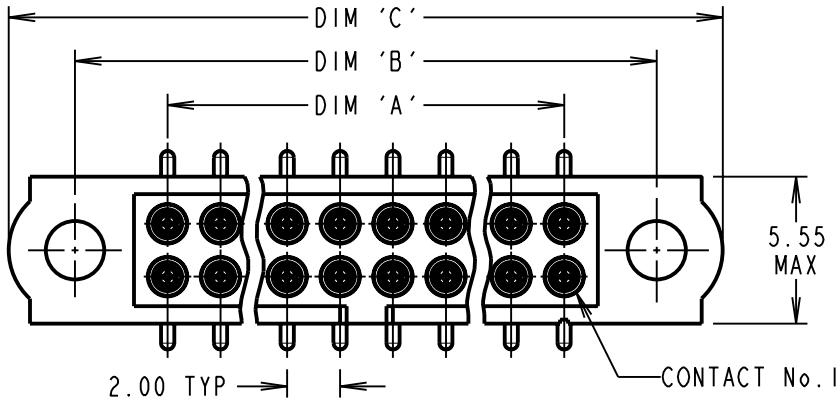
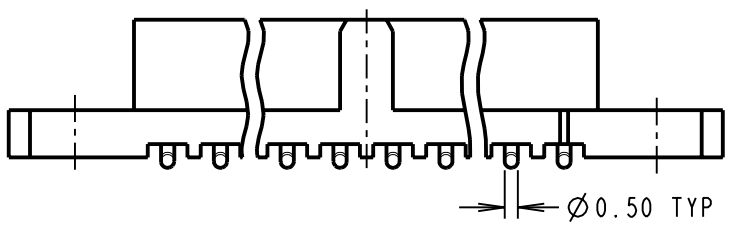
Customer Information Sheet

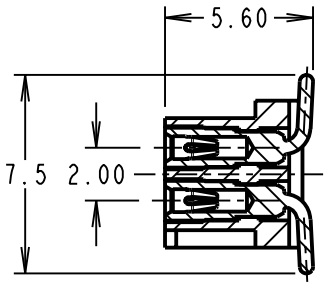
DRAWING No.: M80-412XXXX	SHT 2 OF 2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

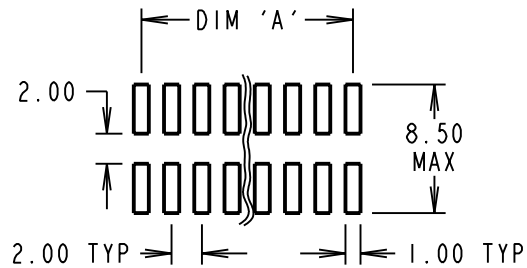
SPECIFICATIONS:
- MATERIAL:
  - MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
  - CONTACT CLIP = BERYLLIUM COPPER
  - CONTACT SHELL = BRASS
- FINISH:
  - 01 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL
  - 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
  - 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL
- ELECTRICAL:
  - 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:
  - TUBE

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









RECOMMENDED PCB LAYOUT

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 SHELL, M80-4122042

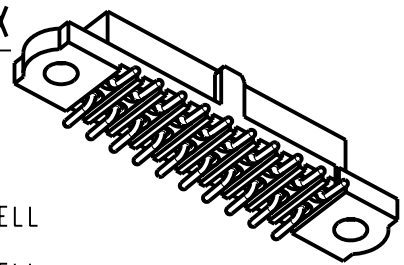
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

ORDER CODE:

M80-412XXXX

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

FINISH
01 - GOLD CLIP, TIN/LEAD SHELL
05 - GOLD CLIP, GOLD SHELL
42 - GOLD CLIP, 100% TIN SHELL



CP	1	08.07.09	10377
NAME	ISS.	DATE	C/NOTE

APPROVED:	C.PENROSE
CHECKED:	R.ADDE
DRAWN:	B.M.KENT
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: mm²

TITLE: JACKSCREW DATAMATE DIL VERTICAL SMT FEMALE ASSY (NO J/SCREW)

DRAWING NUMBER: M80-412XXXX

SHT 2 OF 2