

Customer Information Sheet

DRAWING No.: M80-28300XX & M80-28400XX

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATION:

MATERIAL:
BERYLLOUM COPPER

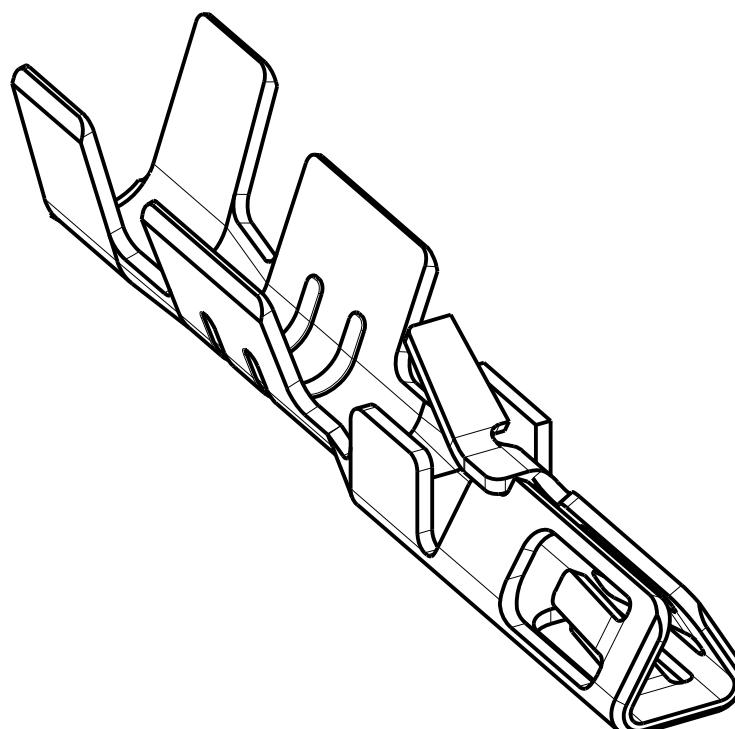
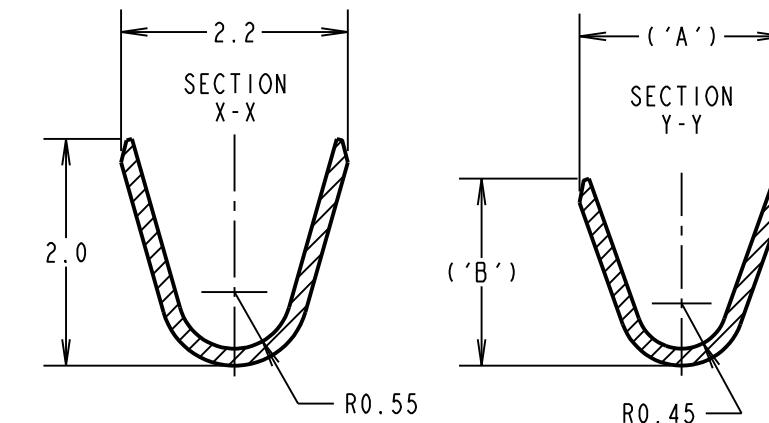
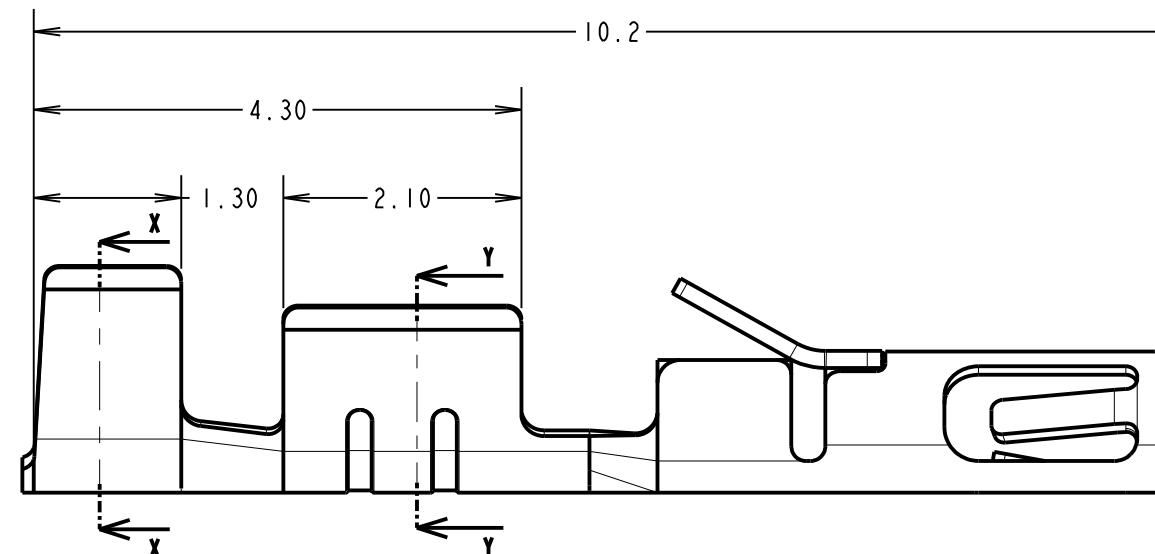
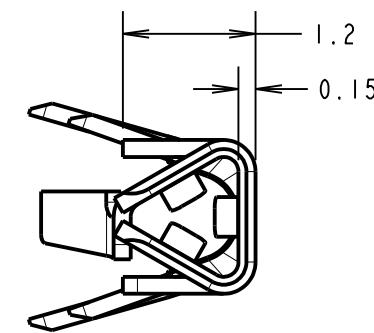
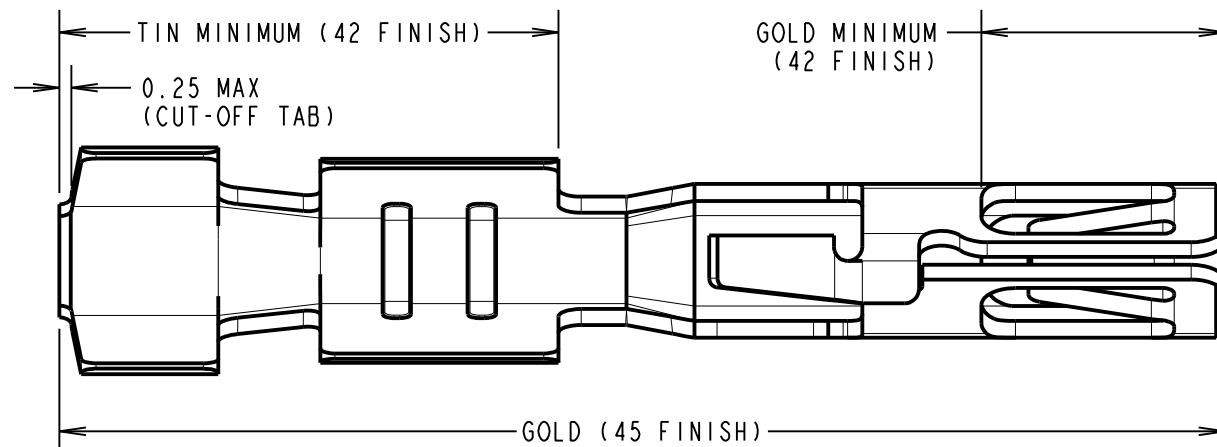
FINISH (ALL OVER NICKEL):
45 = 0.3µm MIN GOLD, ALL OVER
42 = SELECTIVE 3µm MIN 100% TIN AND 0.3µm MIN GOLD

MECHANICAL:
INSERTION FORCE = 2.8N MAX, 1.0N MIN
WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN
DURABILITY = 400 OPERATIONS

ENVIRONMENTAL:
OPERATING TEMPERATURE = -55°C TO +125°C

PACKING:
LOOSE, 100/BAG ONE OR MORE BAGS PER BOX

FOR COMPLETE CONNECTOR SPECIFICATION, SEE
COMPONENT SPECIFICATION C040XX (LATEST ISSUE)



NOTES:

1. TO BE USED WITH THE FOLLOWING FEMALE HOUSING:
M80-454XX98 = HOUSING ONLY
M80-455XX98 = HOUSING + SLOTTED JACKSCREW
M80-456XX98 = HOUSING + HEX SOCKET JACKSCREW
M80-457XX98 = HOUSING + REVERSE FIX JACKSCREW
M80-458XX98 = HOUSING + GUIDE AND BOARD MOUNT
M80-459XX98 = HOUSING + 101LOK SCREWS
2. RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, WIRE 22-28 AWG, WIRE INSULATION Ø 0.6mm - Ø 1.1mm. STRIP WIRE BY 2.7-3.0mm FOR CRIMPING.
3. RECOMMENDED CRIMP HEIGHTS:
0.76-0.82mm FOR 22-24 AWG CONTACTS
0.50-0.56mm FOR 26-28 AWG CONTACTS
4. CRIMP SUITABLE FOR PROCESSING WITH HANDCRIMP TOOL Z80-255. SEE TOOLING INSTRUCTION SHEET IS-27 FOR CRIMPING INSTRUCTIONS.
5. CONTACTS ARE AVAILABLE ON REELS, PART NUMBER M80-25300XX FOR 24-22 AWG WIRE AND M80-25400XX FOR 28-26 AWG WIRE, SUITABLE FOR PROCESSING WITH LEFT SIDE FEED CRIMPING PRESS. CONTACT datamate@harwin.com FOR DETAILS.

PART No.	DIMENSION	
	'A'	'B'
M80-28300XX	1.8 ±0.2	1.7 ±0.2
M80-28400XX	1.3 ±0.2	1.0 ±0.2

ORDER CODE:	M80-XXX00XX
WIRE SIZE:	283 = 24-22 AWG (0.22-0.34mm ²) 284 = 28-26 AWG (0.08-0.12mm ²)
FINISH:	45 = GOLD, ALL OVER 42 = 100% TIN & GOLD, SELECTIVE
APPROVED:	MGP
CHECKED:	RTP
DRAWN:	B. M. KENT
CUSTOMER REF.:	
ASSEMBLY DRG.:	

MGP	9	01.03.21	21843
NAME	ISS.	DATE	CN/CO
APPROVED:	MGP		
CHECKED:	RTP		
DRAWN:	B. M. KENT		
CUSTOMER REF.:			
ASSEMBLY DRG.:			

HARWIN

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

MATERIAL:
SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE TRIO-TEK
FEMALE CRIMP CONTACT LOOSE
24-22 AWG & 28-26 AWG
DRAWING NUMBER:
M80-28300XX & M80-28400XX
SHT 2 OF 2