

# Customer Information Sheet

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

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATION:

MATERIAL:  
BERYLLIUM COPPER

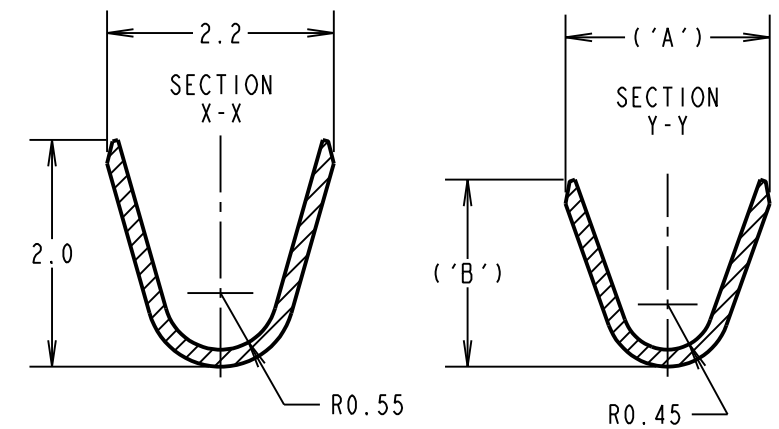
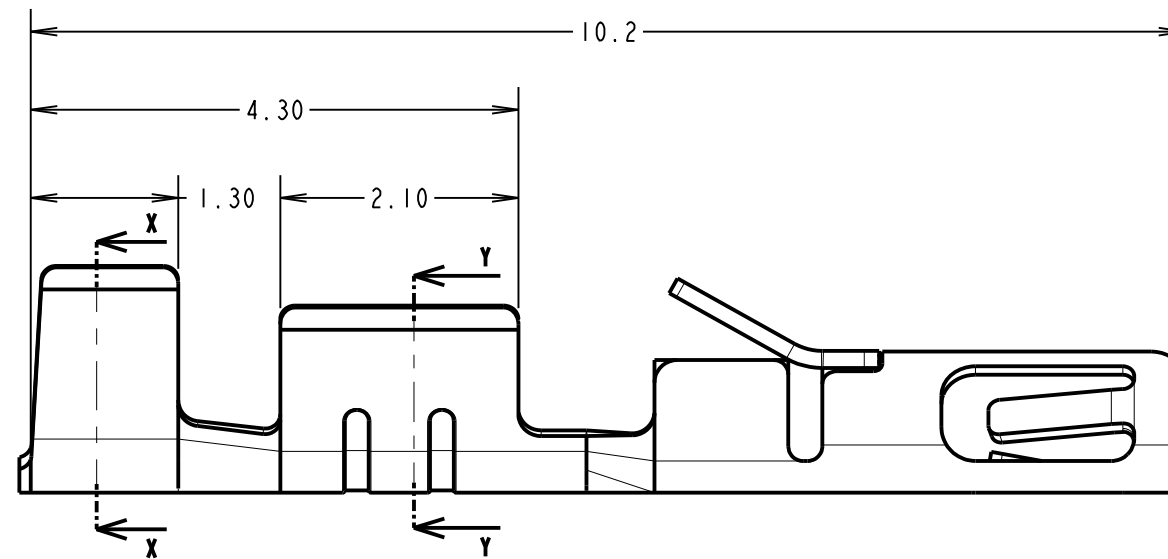
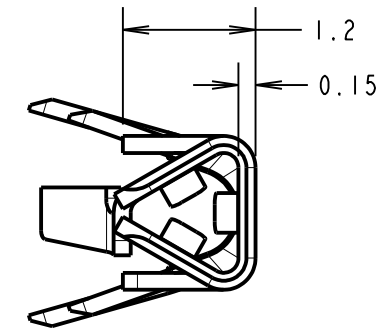
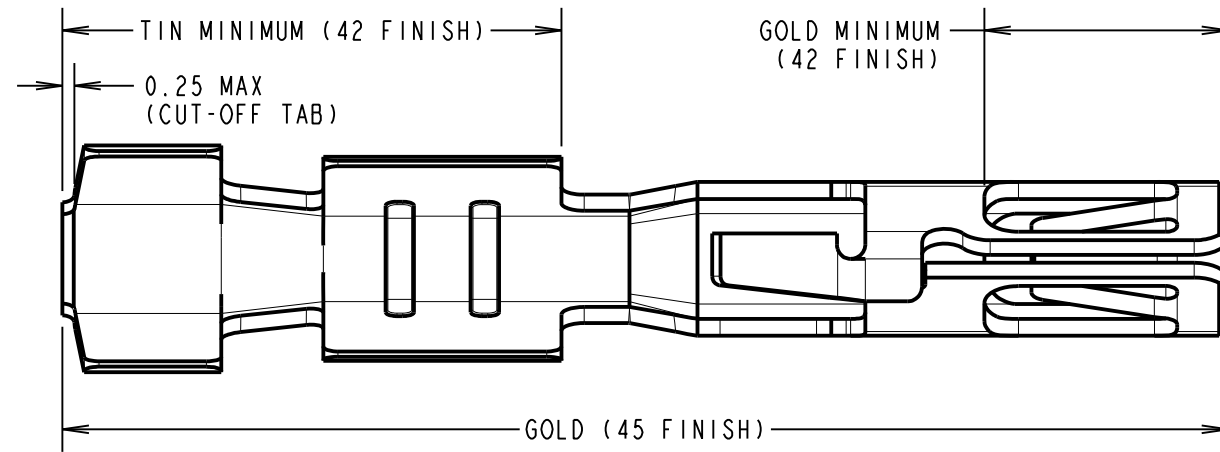
FINISH (ALL OVER NICKEL):  
45 = 0.3µm MIN GOLD, ALL OVER  
42 = SELECTIVE 3µm MIN 100% TIN AND 0.3µm MIN GOLD

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:

- 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 + 10ILOK SCREWS
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, WIRE 22-28 AWG, WIRE INSULATION Ø0.6mm-Ø1.1mm. STRIP WIRE BY 2.7-3.0mm FOR CRIMPING.
- RECOMMENDED CRIMP HEIGHTS:  
0.76-0.82mm FOR 22-24 AWG CONTACTS  
0.50-0.56mm FOR 26-28 AWG CONTACTS
- CRIMP SUITABLE FOR PROCESSING WITH HANDCRIMP TOOL Z80-255. SEE TOOLING INSTRUCTION SHEET IS-27 FOR CRIMPING INSTRUCTIONS.
- 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](mailto: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<sup>2</sup>)  
284 = 28-26 AWG (0.08-0.12mm<sup>2</sup>)

FINISH:  
45 = GOLD, ALL OVER  
42 = 100% TIN & GOLD, SELECTIVE

|      |      |          |       |
|------|------|----------|-------|
| MGP  | 9    | 01.03.21 | 21843 |
| NAME | ISS. | DATE     | CN/CO |

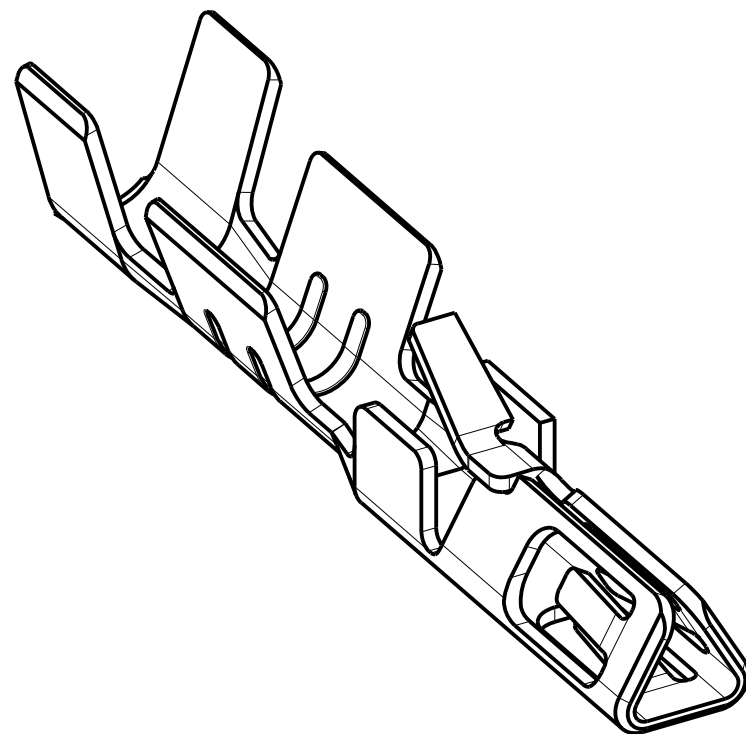
APPROVED: MGP

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: mm<sup>2</sup>

TITLE: DATAMATE TRIO-TEK  
FEMALE CRIMP CONTACT LOOSE  
24-22 AWG & 28-26 AWG

DRAWING NUMBER:  
**M80-28300XX & M80-28400XX**

SHT  
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