

# Customer Information Sheet

DRAWING No.: M80-25300XX & M80-25400XX

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  
42 = 3µm MIN 100% TIN AND 0.3µm MIN GOLD, SELECTIVE PLATE

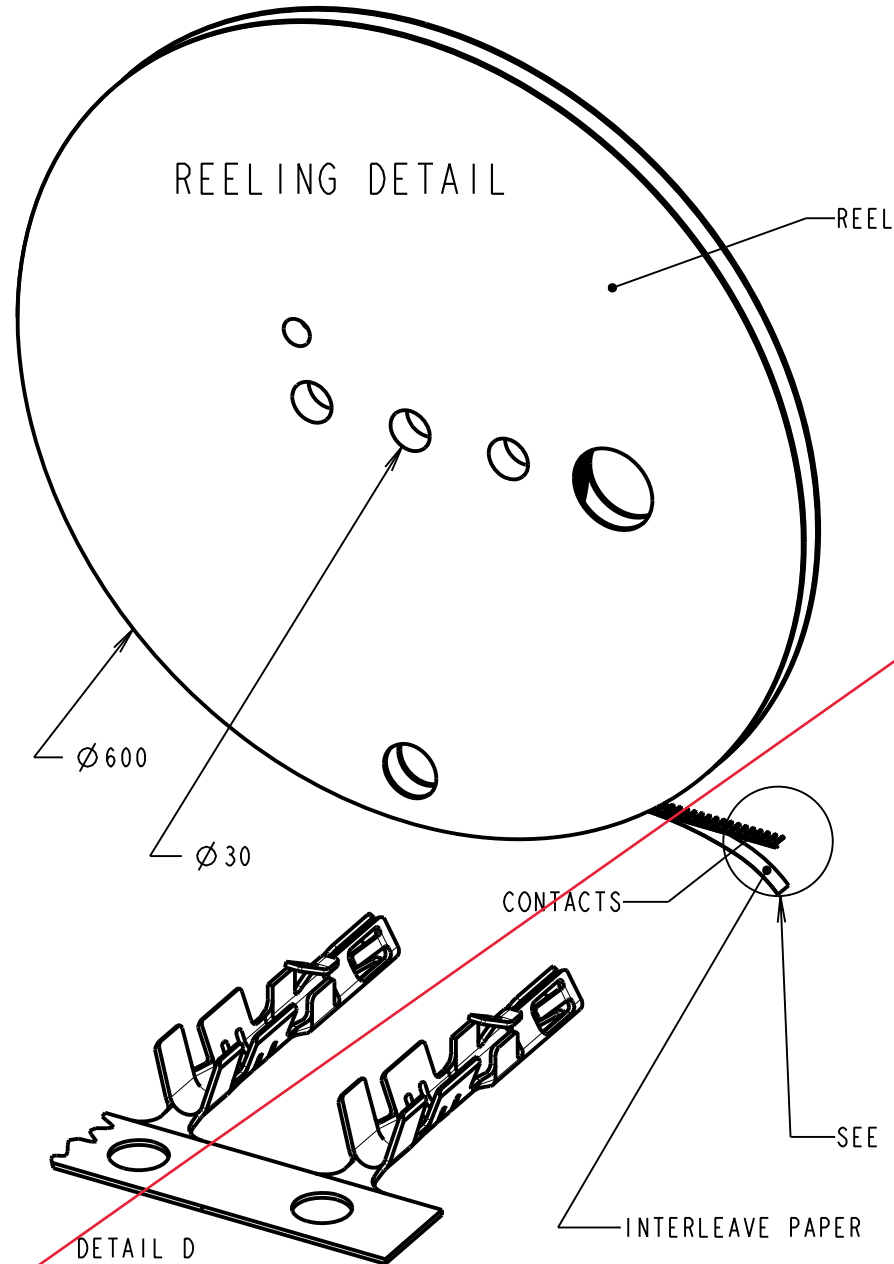
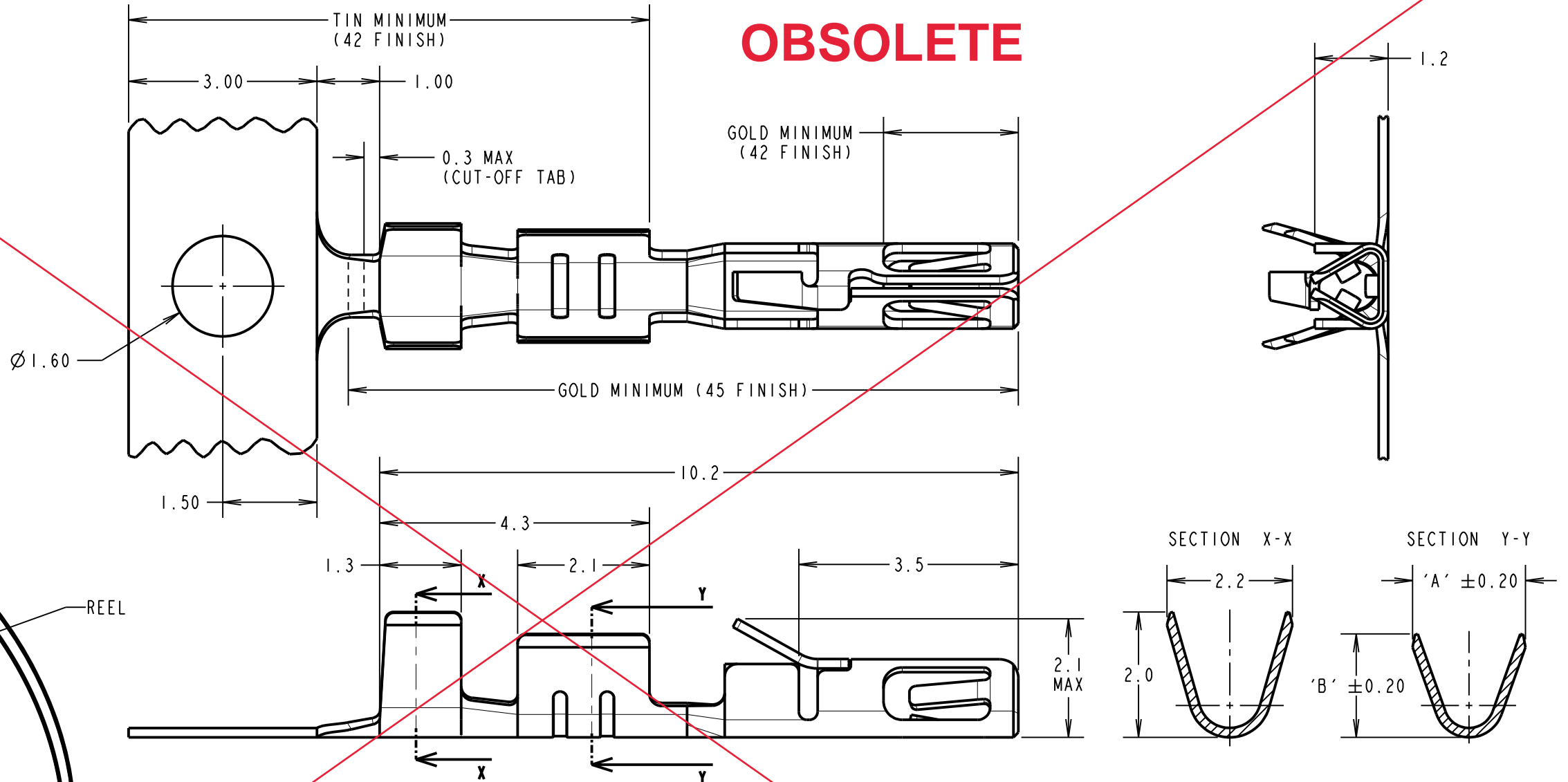
**MECHANICAL:**  
INSERTION FORCE = 2.8N MAX, 1.0N MIN  
WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN  
DURABILITY = 400 OPERATIONS

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

**PACKING:**  
REEL (AS SHOWN), 15K/REEL

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

**OBSOLETE**



## 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 JACKSCREWS
- RECOMMENDED TO BE USED WITH PTFE INSULATED WIRE, 22-28 AWG, WIRE INSULATION  $\phi 0.6\text{mm}$ - $\phi 1.1\text{mm}$ . 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
- SUITABLE FOR PROCESSING WITH LEFT SIDE FEED CRIMPING PRESS.  
CONTACT [datamate@harwin.com](mailto:datamate@harwin.com) FOR DETAILS.
- CONTACTS ARE AVAILABLE LOOSE, PART NUMBER M80-28300XX FOR 24-22 AWG WIRE AND M80-28400XX FOR 28-26 AWG WIRE, SUITABLE FOR PROCESSING WITH HAND CRIMP TOOL Z80-255.

PART No.	DIMENSION	
	'A'	'B'
M80-25300XX	1.80	1.65
M80-25400XX	1.34	1.00

ORDER CODE:

**M80-XXX00XX**

WIRE SIZE:

253 = 24-22 AWG (0.22-0.34mm<sup>2</sup>)  
254 = 28-26 AWG (0.08-0.12mm<sup>2</sup>)

FINISH:

45 = GOLD ALL OVER  
42 = 100% TIN & GOLD SELECTIVE

MGP	10	03.10.21	31171
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RTP			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
X. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.20\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$   
**ANGLES** =  $\pm 5^\circ$   
**UNLESS STATED**

**MATERIAL:**

SEE ABOVE

**FINISH:**

SEE ABOVE

**S/AREA:**

mm<sup>2</sup>

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

**DRAWING NUMBER:**

**M80-25300XX & M80-25400XX**

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