

# Customer Information Sheet

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

IF IN DOUBT - ASK

©

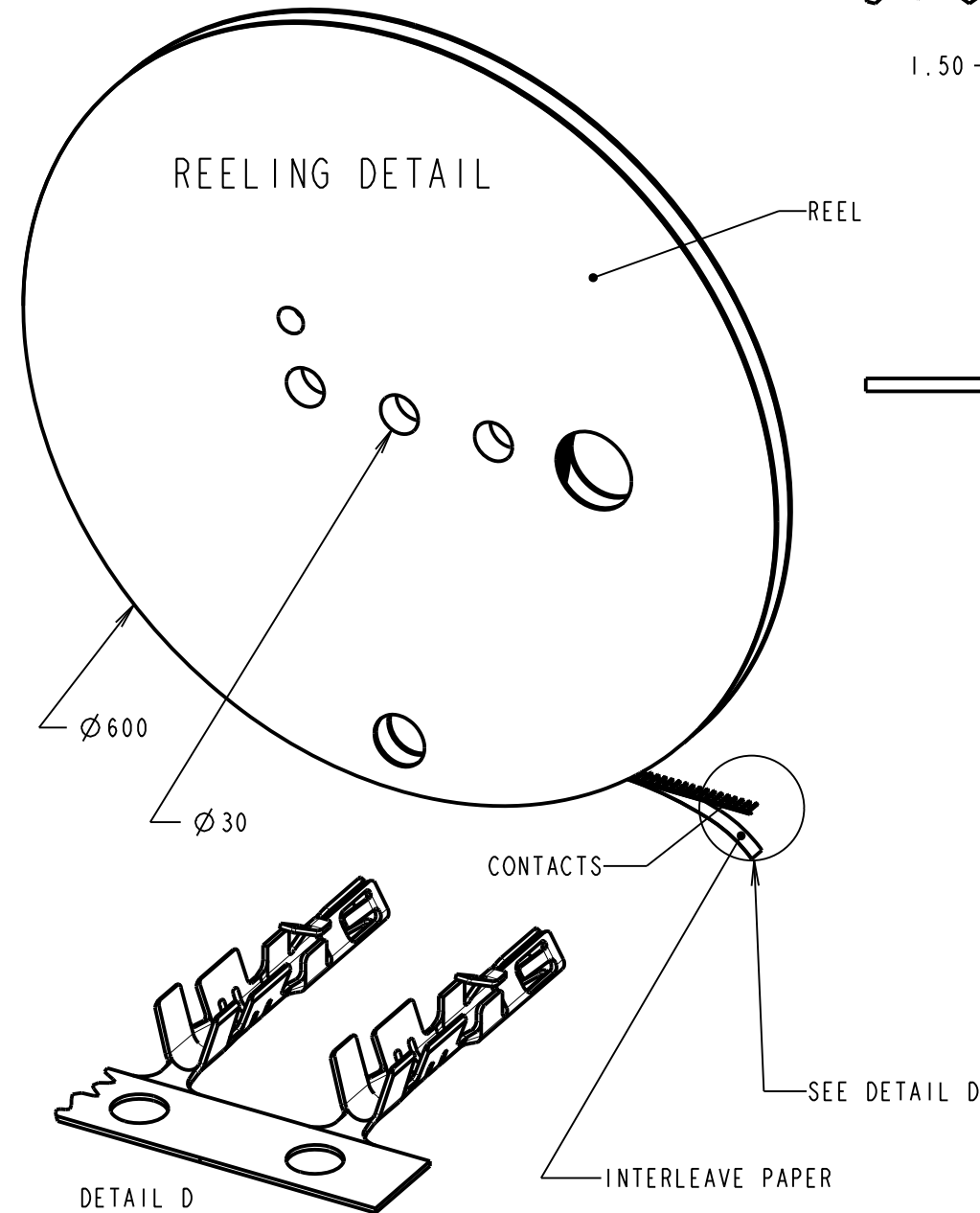
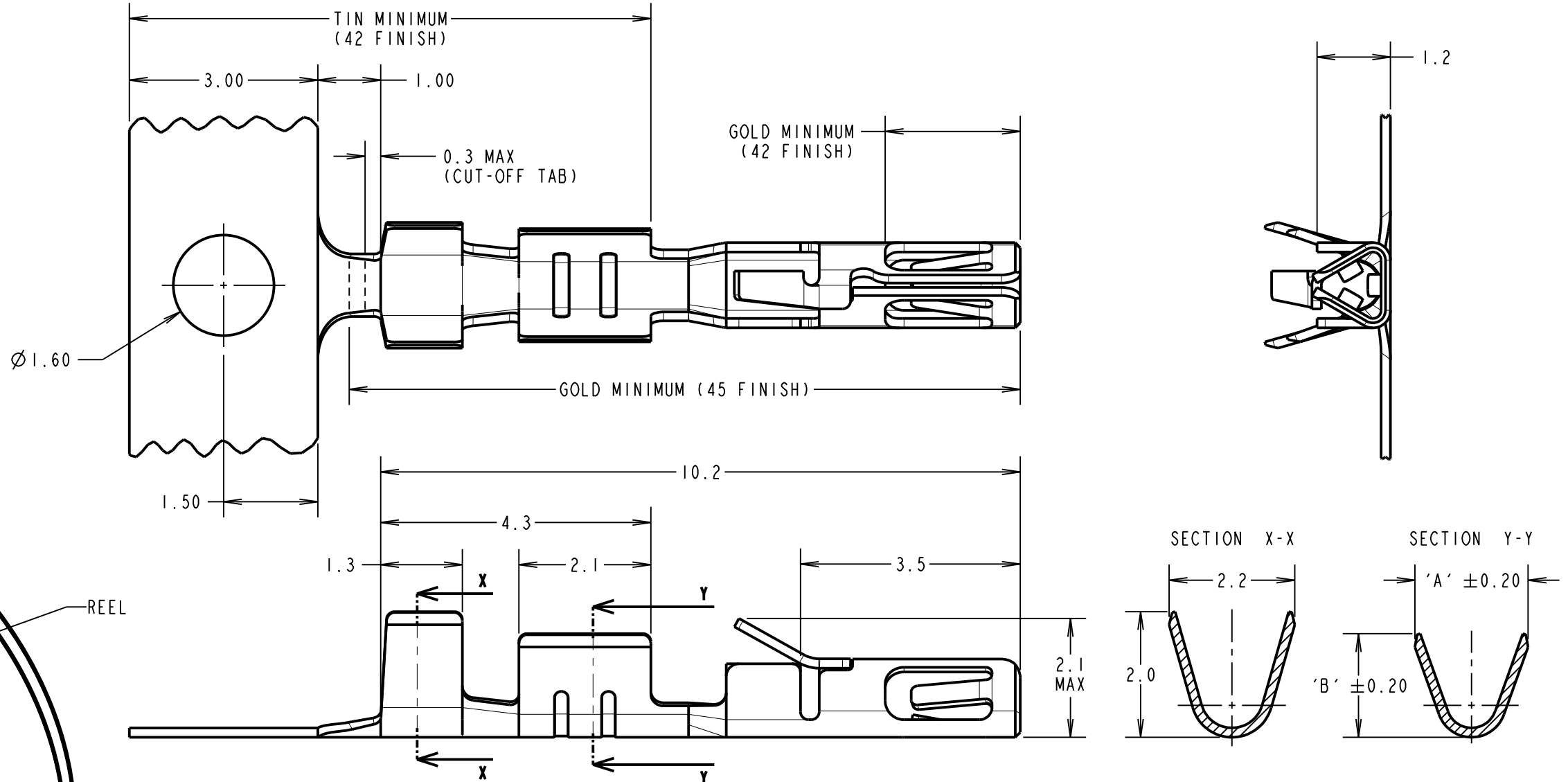
NOT TO SCALE

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)



## 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 + 101LOK JACKSCREWS
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A,  
 WIRE 22-28 AWG, WIRE INSULATION  $\phi$ 0.6mm- $\phi$ 1.1mm.  
 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
- 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

RTP	9	24.07.20	22088
NAME	ISS.	DATE	CN/CO
APPROVED: R.PORTLOCK			
CHECKED: M.RUDKIN			
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 REELED  
 24-22 AWG & 28-26 AWG

DRAWING NUMBER:

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

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