

Customer Information Sheet

DRAWING No.: M80-25300XX & M80-25400XX SHT 5 OF 5

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATION:

MATERIAL:
BERYLLIUM COPPER

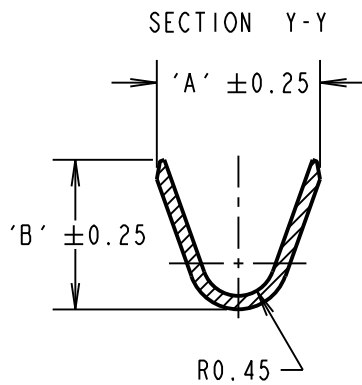
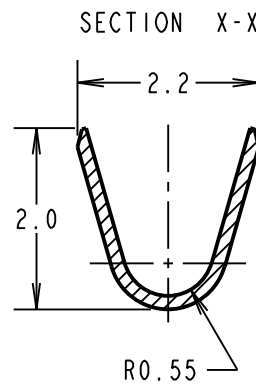
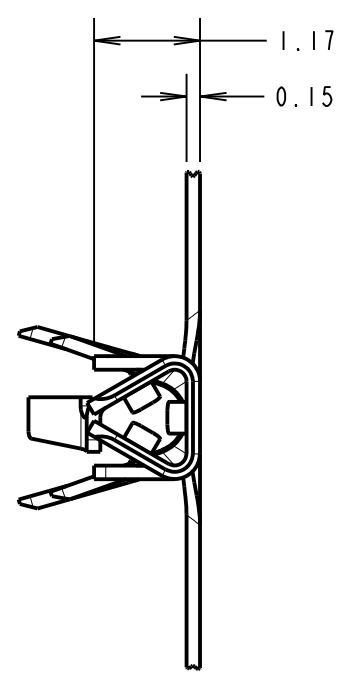
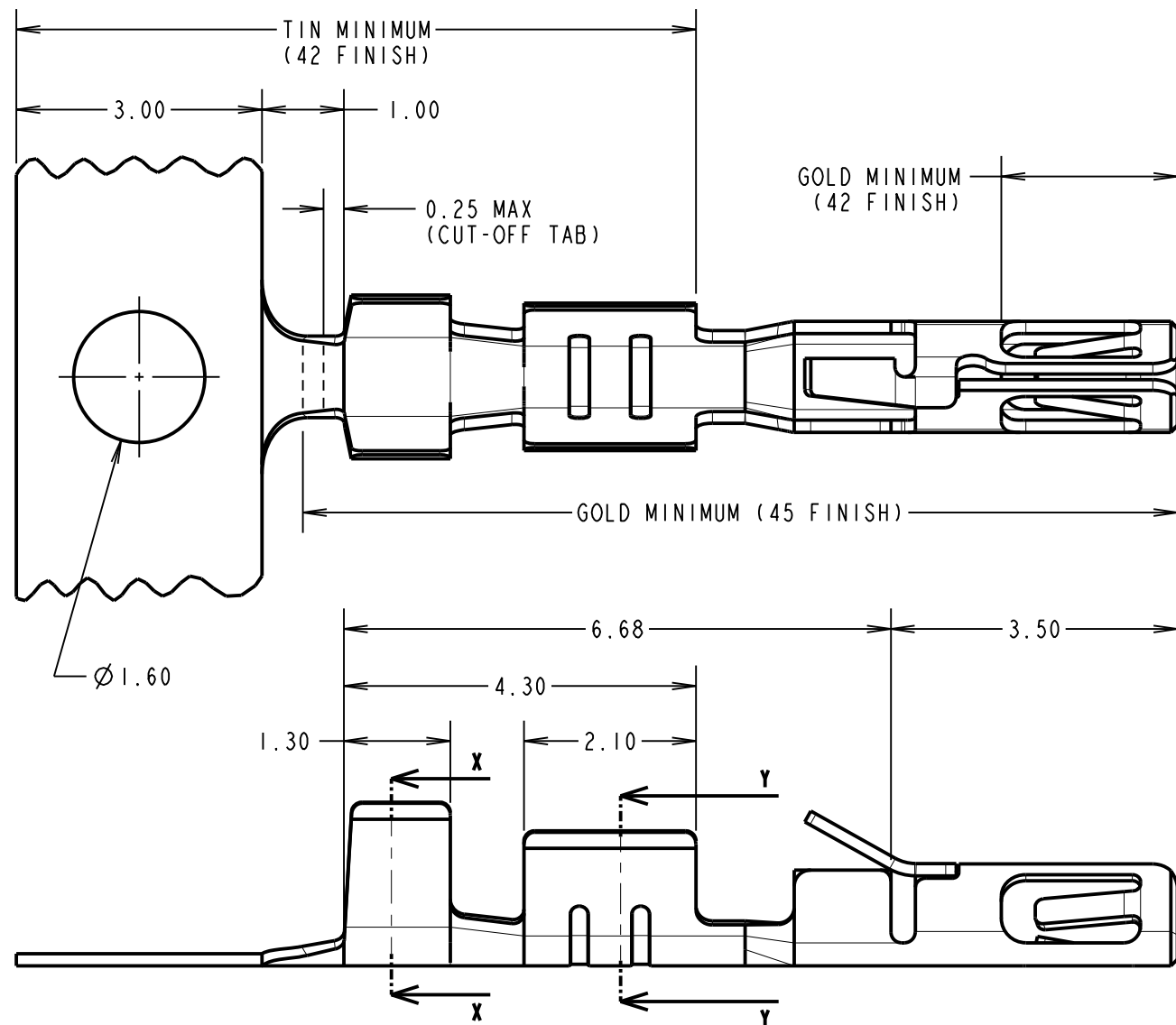
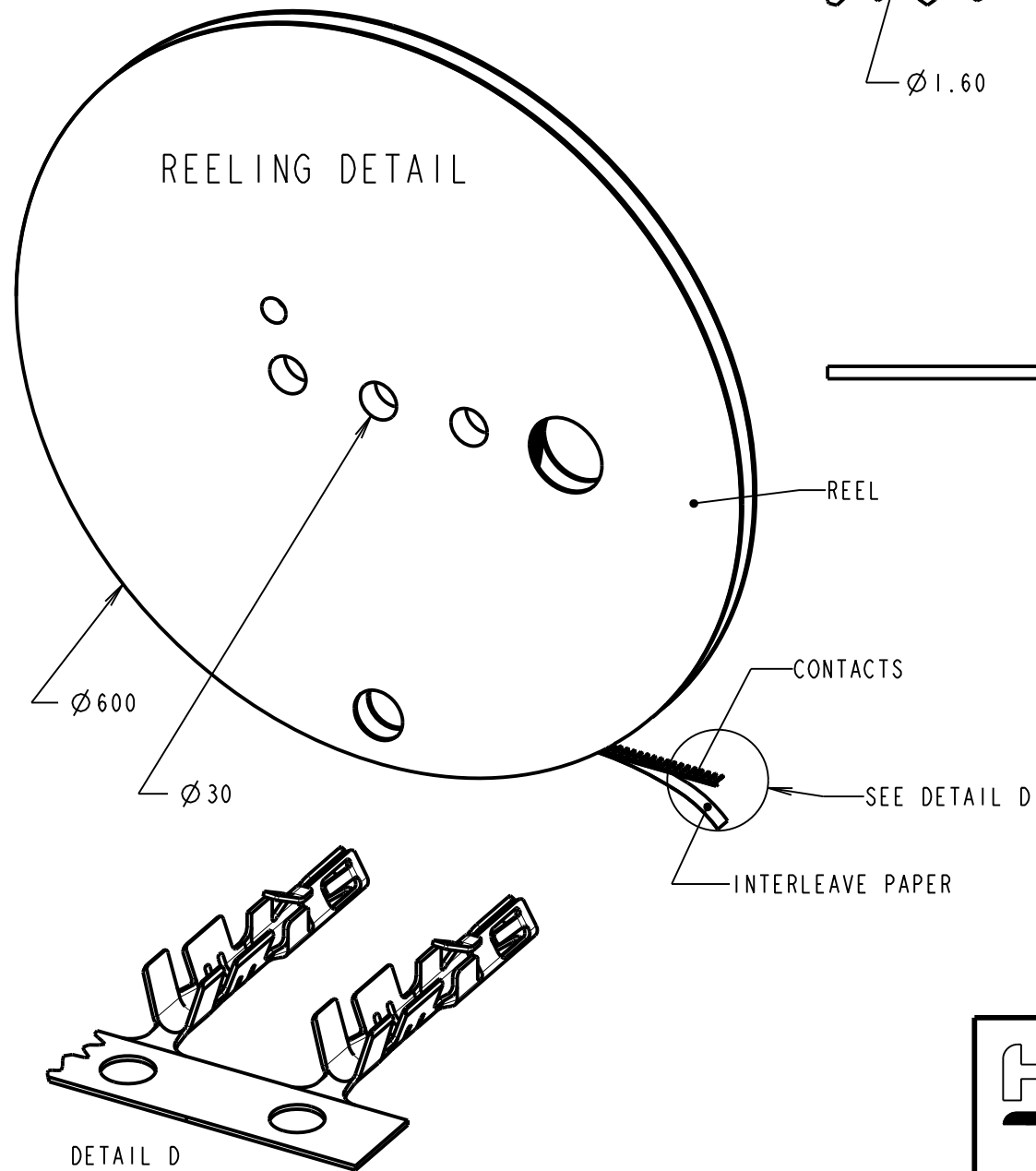
FINISH (ALL OVER NICKEL):
45 = 0.3μ MIN GOLD
42 = 3μ MIN 100% TIN AND 0.3μ MIN GOLD,
SELECTIVE PLATE

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
 - 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
 - SUITABLE FOR PROCESSING WITH LEFT SIDE
FEED CRIMPING PRESS.
CONTACT 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 (0.22-0.34mm²)
254 = 28-26 AWG (0.08-0.12mm²)

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

| | | | |
|--------------------|------|----------|--------|
| SF | 4 | 23.07.13 | 12161 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: S.FLOWER | | | |
| CHECKED: S.BENNETT | | | |
| DRAWN: B. M. KENT | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

HARWIN
www.harwin.com
technical@harwin.com

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DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
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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: DATAMATE TRIO-TEK
FEMALE CRIMP CONTACT REELED
24-22 AWG & 28-26 AWG

DRAWING NUMBER:

M80-25300XX & M80-25400XX

SHT
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