

# Customer Information Sheet

DRAWING No.: M80-4C10242F2-00-000-07-325

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

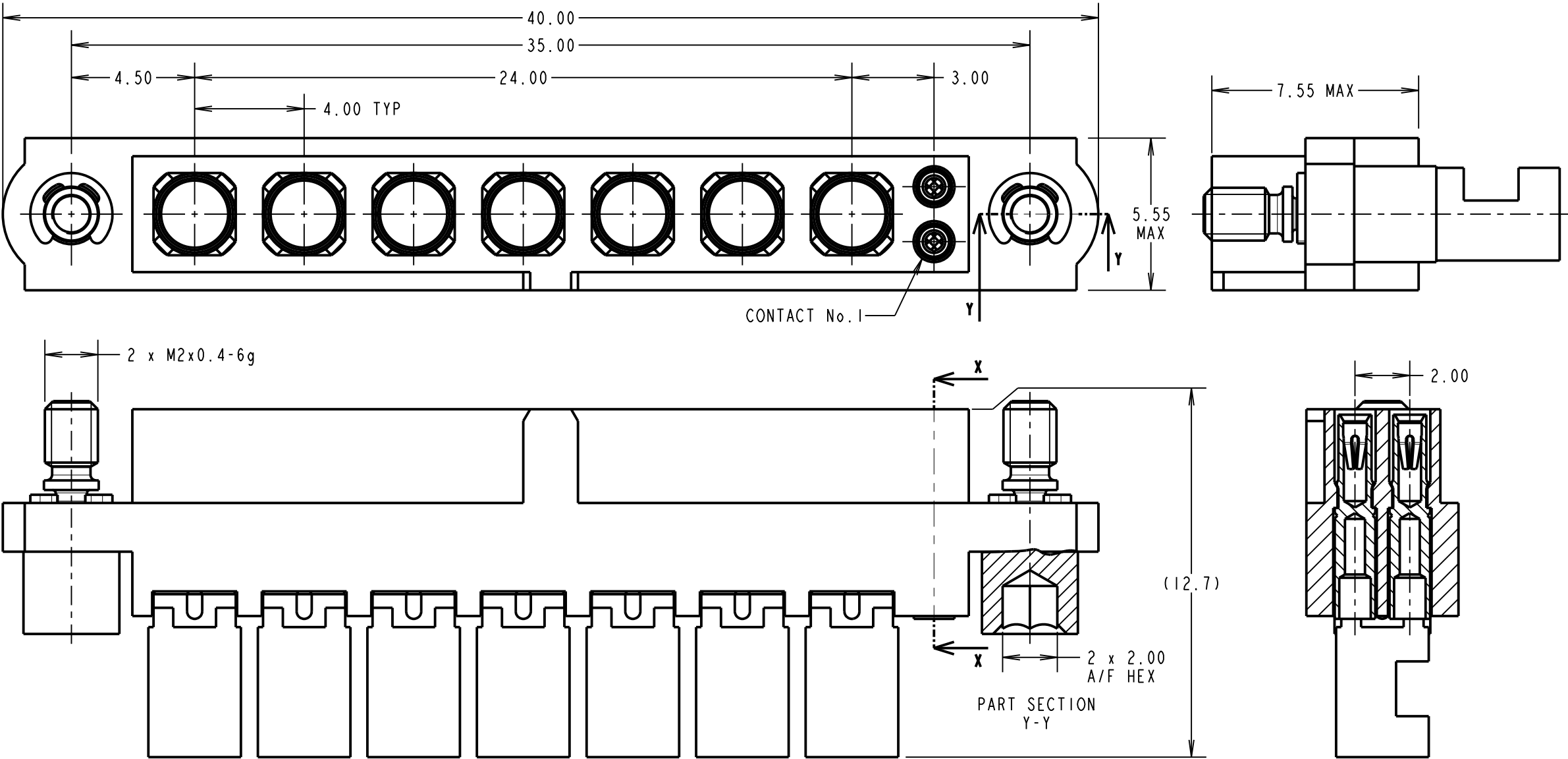
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

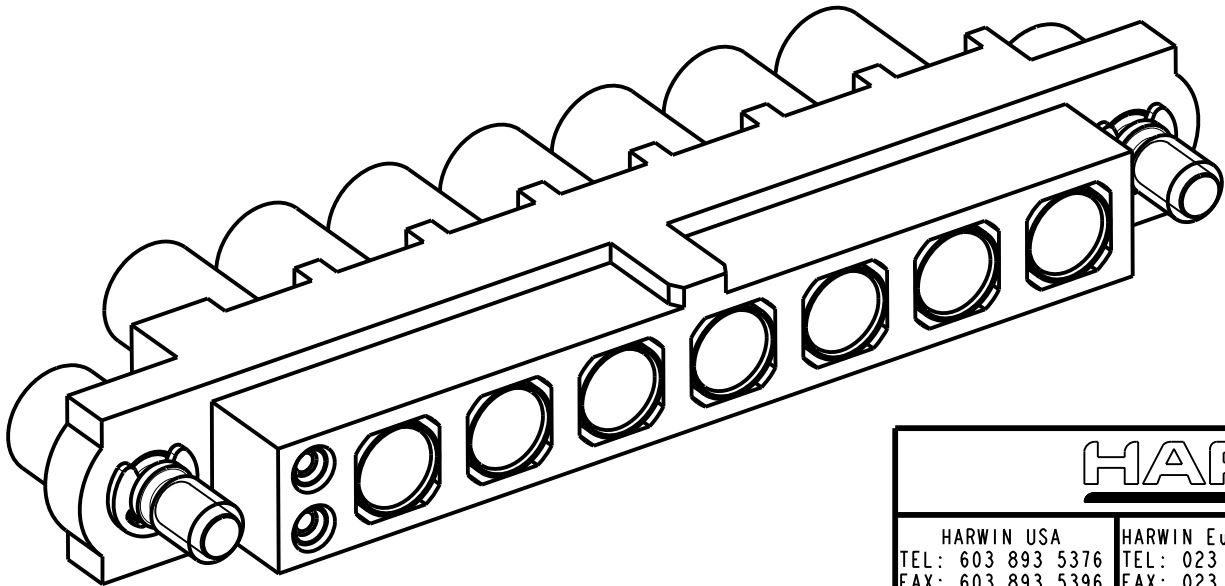
**MATERIAL:**  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
**SIGNAL CONTACT:**  
CLIP = BERYLLIUM COPPER  
SHELL = BRASS  
**POWER CONTACT:**  
BODY = COPPER ALLOY  
LATCHING COLLAR = BERYLLIUM COPPER  
JACKSCREW, CIRCLIP: STAINLESS STEEL  
**FINISH:**  
**SIGNAL CONTACT:**  
CLIP = 0.3 $\mu$  GOLD  
SHELL = 3.5-5.0 $\mu$  100% TIN  
**POWER CONTACT:**  
BODY = GOLD  
LATCHING COLLAR = NICKEL  
**ELECTRICAL:**  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V AC/DC  
INSULATION RESISTANCE = 100M $\Omega$  MIN  
**SIGNAL CONTACT:**  
CURRENT RATING AT 25°C = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
CONTACT RESISTANCE = 25 m $\Omega$  MAX  
**POWER CONTACT:**  
CONTACT RESISTANCE = 6 m $\Omega$  MAX  
CURRENT RATING = 20A MAX WITH 12AWG  
CONTACT AS SPECIFIED

**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
**SIGNAL CONTACT:**  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
**POWER CONTACT:**  
INSERTION FORCE = 5N MAX  
WITHDRAWAL FORCE = 0.5N MIN  
**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -55°C TO +125°C  
**PACKING:**  
BAG  
FOR COMPLETE SPECIFICATION SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



- NOTES:
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
  - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130001.
  - RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER =  $\varnothing$ 1.10mm. STRIP WIRE BY 2.00MM FOR CRIMPING.
  - RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747.
  - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
  - FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325
  - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
  - POWER CONTACT EXTRACTION TOOL = Z80-290
  - INSTRUCTION SHEETS ARE AVAILABLE.

SM	I	26.08.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: R. ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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