

Customer Information Sheet

DRAWING No.: M80-4C13405FC-01-325-00-000

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

IOILOK SCREW, COLLAR = STAINLESS STEEL

SPRING = MUSIC WIRE

FINISH:

SIGNAL CONTACT:

CLIP = 0.3µm GOLD

SHELL = 0.25-0.3µm GOLD

POWER CONTACT:

BODY = GOLD

LATCHING COLLAR = NICKEL

SPRING = TIN

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

INSULATION RESISTANCE = 100MΩ MIN

SIGNAL CONTACT:

CURRENT RATING AT 25°C = 3.3A MAX

CURRENT RATING AT 85°C = 2.6A MAX

CONTACT RESISTANCE = 25mΩ MAX

POWER CONTACT:

CONTACT RESISTANCE = 6mΩ MAX

CURRENT RATING = 20A MAX WITH 12AWG

CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.0N MAX

WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 8.0N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

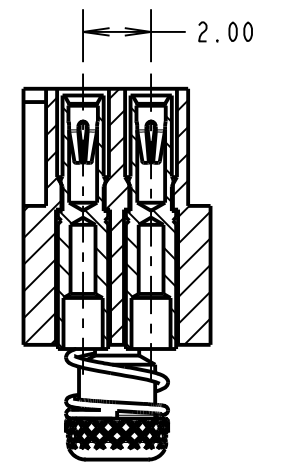
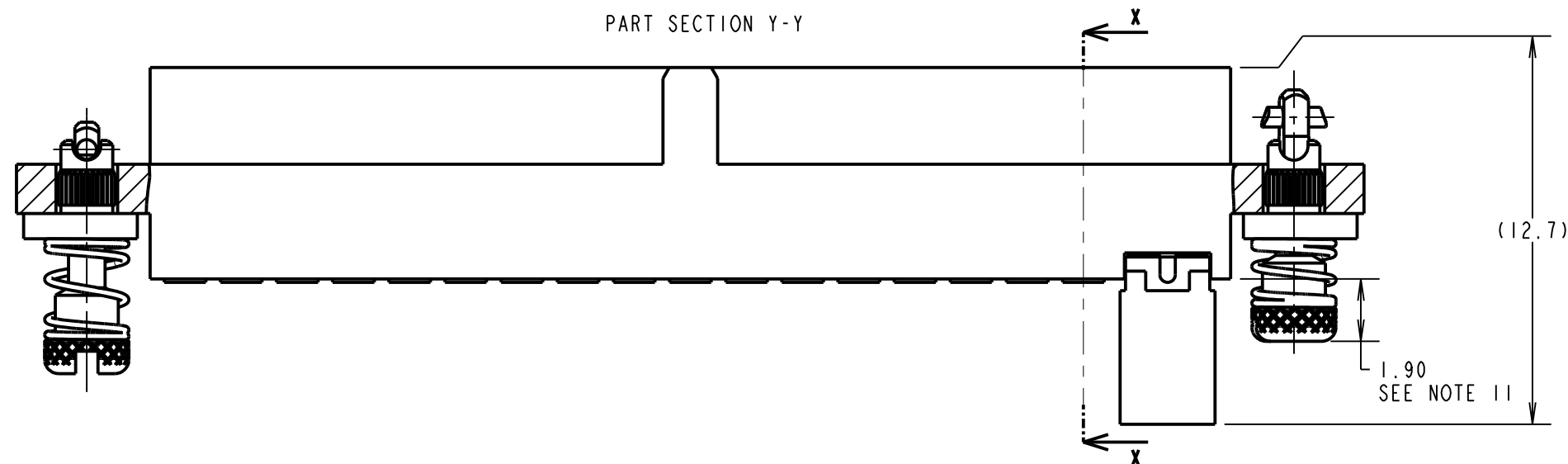
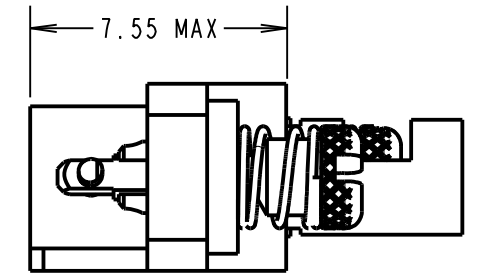
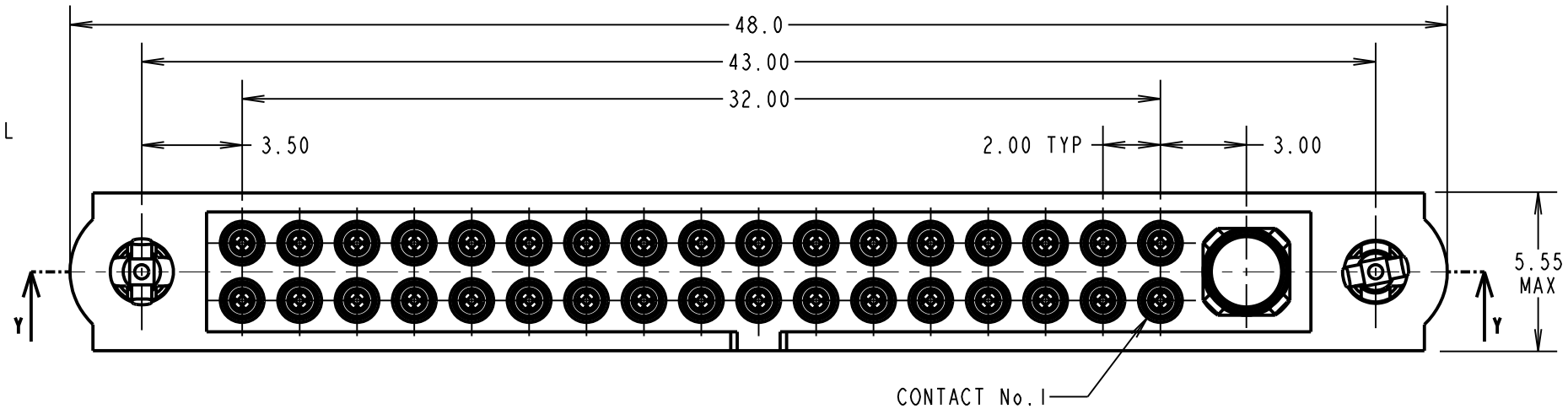
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

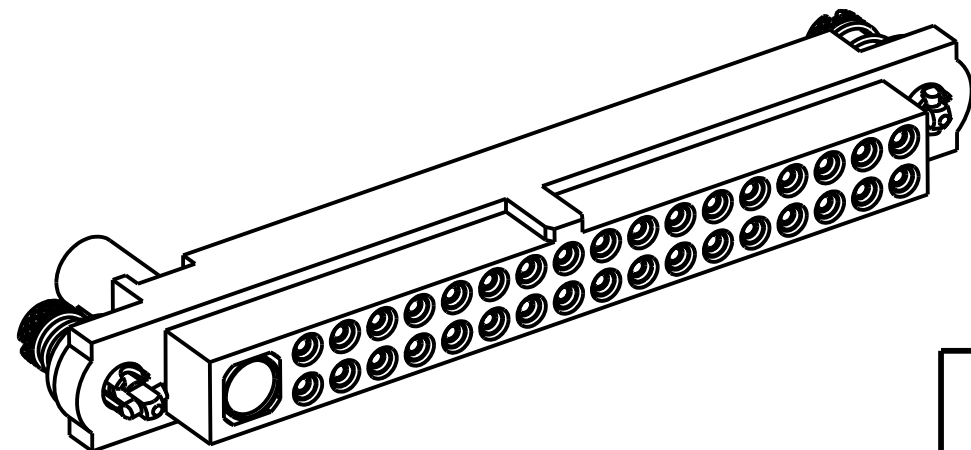
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FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X



NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm. 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.
- SPRING LOAD WHEN SOLID = 2.642N.
SPRING RATE = 1.32N/mm.
- LENGTH WILL BE 1.90mm WHEN IOILOK SCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.

RTP	3	16.05.19	21531
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: M.RUDKIN			
DRAWN: R.ADDE			
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: mm²

TITLE: JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP FEMALE ASSEMBLY

DRAWING NUMBER: M80-4C13405FC-01-325-00-000

SHT 2 OF 2

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