Customer Information Sheet

DRAWING No.: M80-4D11405F2-00-000-03-327 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 = BERYLIUM COPPER

SHELL = COPPER ALLOY POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER JACKSCREW, CIRCLIP: STAINLESS STEEL

FINISH:

SIGNAL CONTACT:

CLIP = 0.3µ GOLD OVER NICKEL

SHELL = 0.25-0.3µ GOLD OVER NICKEL

POWER CONTACT:

BODY = GOLD OVER NICKEL

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V 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 = $25m\Omega$ MAX

POWER CONTACT:

CONTACT RESISTANCE = $6m\Omega$ MAX

CURRENT RATING = 10A MAX WITH 16AWG CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.0N MAX

WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

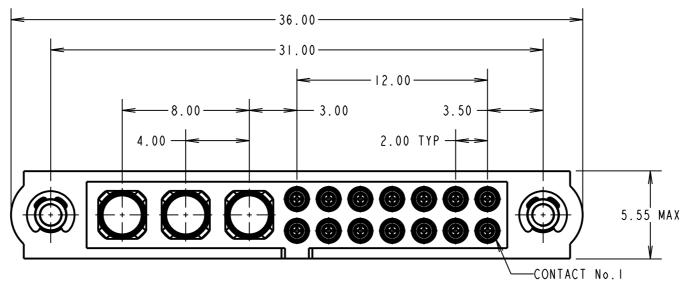
TEMPERATURE RANGE = -55°C TO +125°C

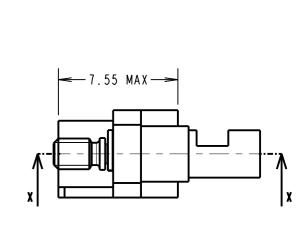
PACKING:

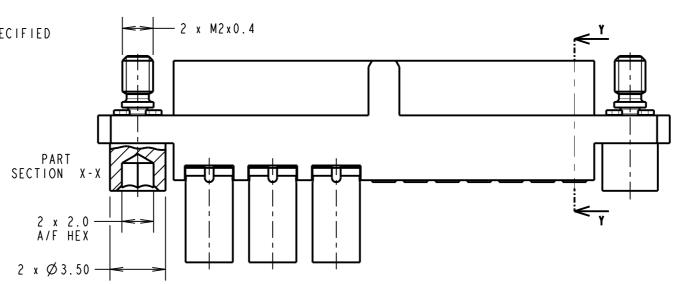
BAG

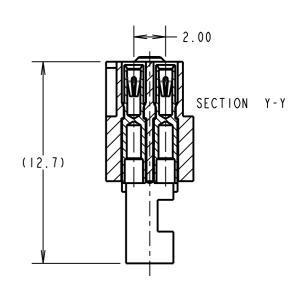
FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION COO5XX (LATEST ISSUE)









CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.

2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0110005.

3. RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = ØI.IOmm. STRIP WIRE BY 2.00mm FOR CRIMPING.

4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE

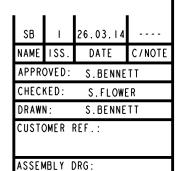
CRIMPING INSTRUCTIONS. 5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-327.

POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.

8. POWER CONTACT EXTRACTION TOOL = Z80-290.

9. INSTRUCTION SHEETS ARE AVAILABLE.



	0000
(40)	COMPLETE ASSEMBLY FOR ILLUSTRATION ONLY



THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING, TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

X. = ±1mm $X.X = \pm 0.25 mn$ $X.XX = \pm 0.10$ mm X.XXX = ±0.01mm ANGLES = ±5° UNLESS STATED

SEE ABOVE FINISH: SEE ABOVE

S/AREA:

JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP FEMALE ASSEMBLY

DRAWING NUMBER:

mm²

M80-4D11405F2-00-000-03-327 COF,