

Customer Information Sheet

DRAWING No.: M80-4C10605F1-04-325-00-000

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 = 0.3µ GOLD
SHELL = 0.25-0.3µ GOLD

POWER CONTACT:
BODY = GOLD
LATCHING COLLAR = NICKEL

ELECTRICAL:
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
INSULATION RESISTANCE = 100MΩ MIN

SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25 mΩ MAX

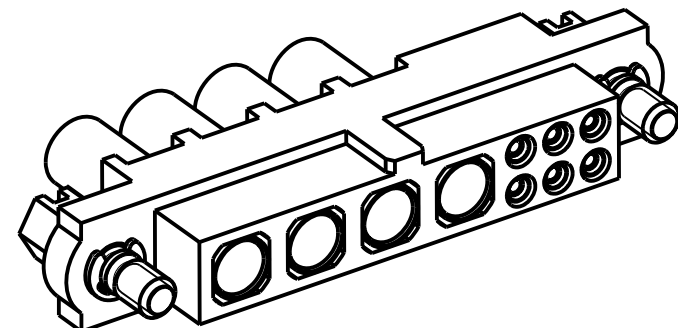
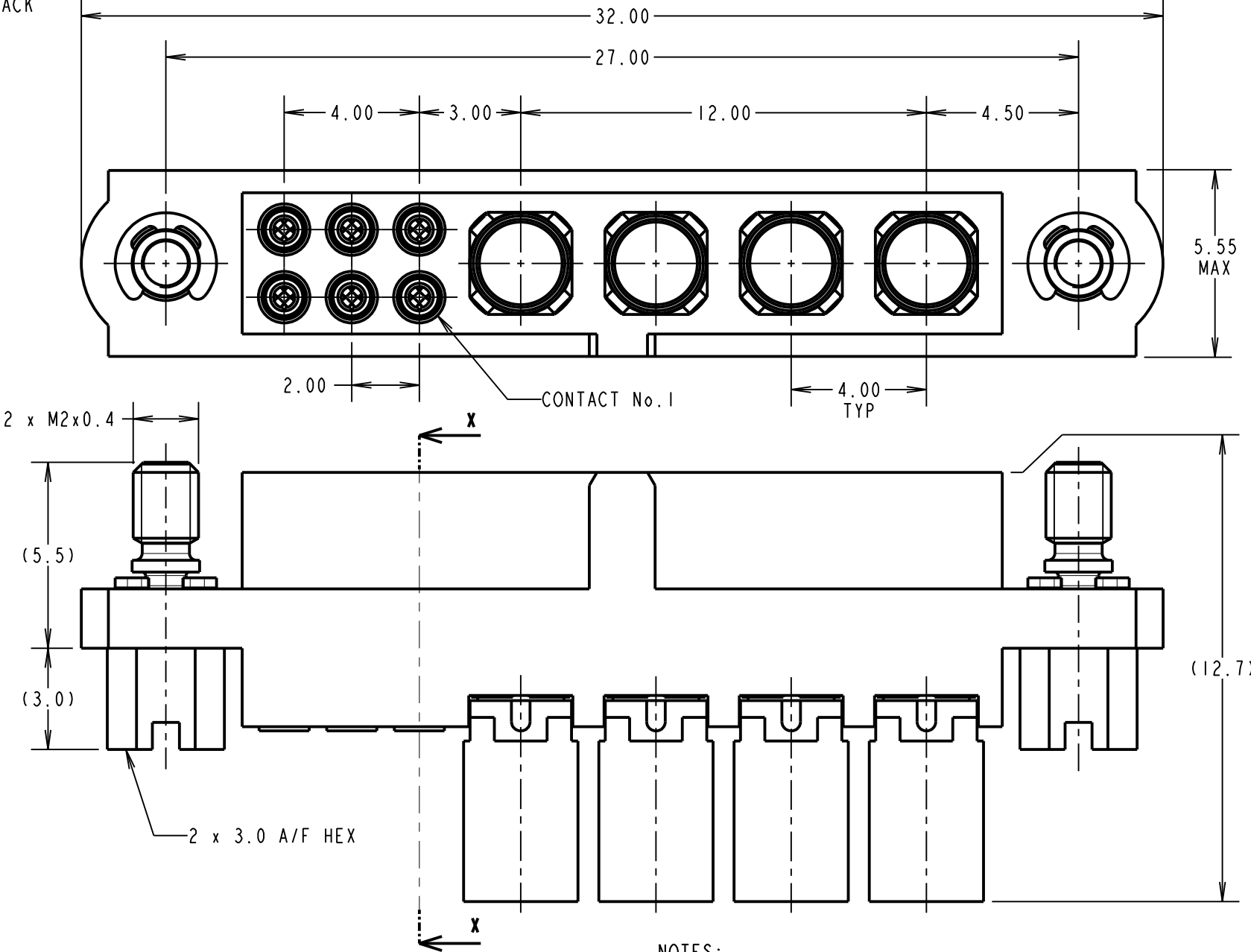
POWER CONTACT:
CONTACT RESISTANCE = 6 mΩ MAX
CURRENT RATING = 20A MAX WITH 12AWG
CONTACT AS SPECIFIED

MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:
INSERTION FORCE = 8N 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 M80-0130005.
 - 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. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
 - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
 - 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.

MGP	2	10.01.13	11898
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SF			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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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 MIX-TEK FEMALE ASSEMBLY WITH JACKSCREW
DRAWING NUMBER: M80-4C10605F1-04-325-00-000
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