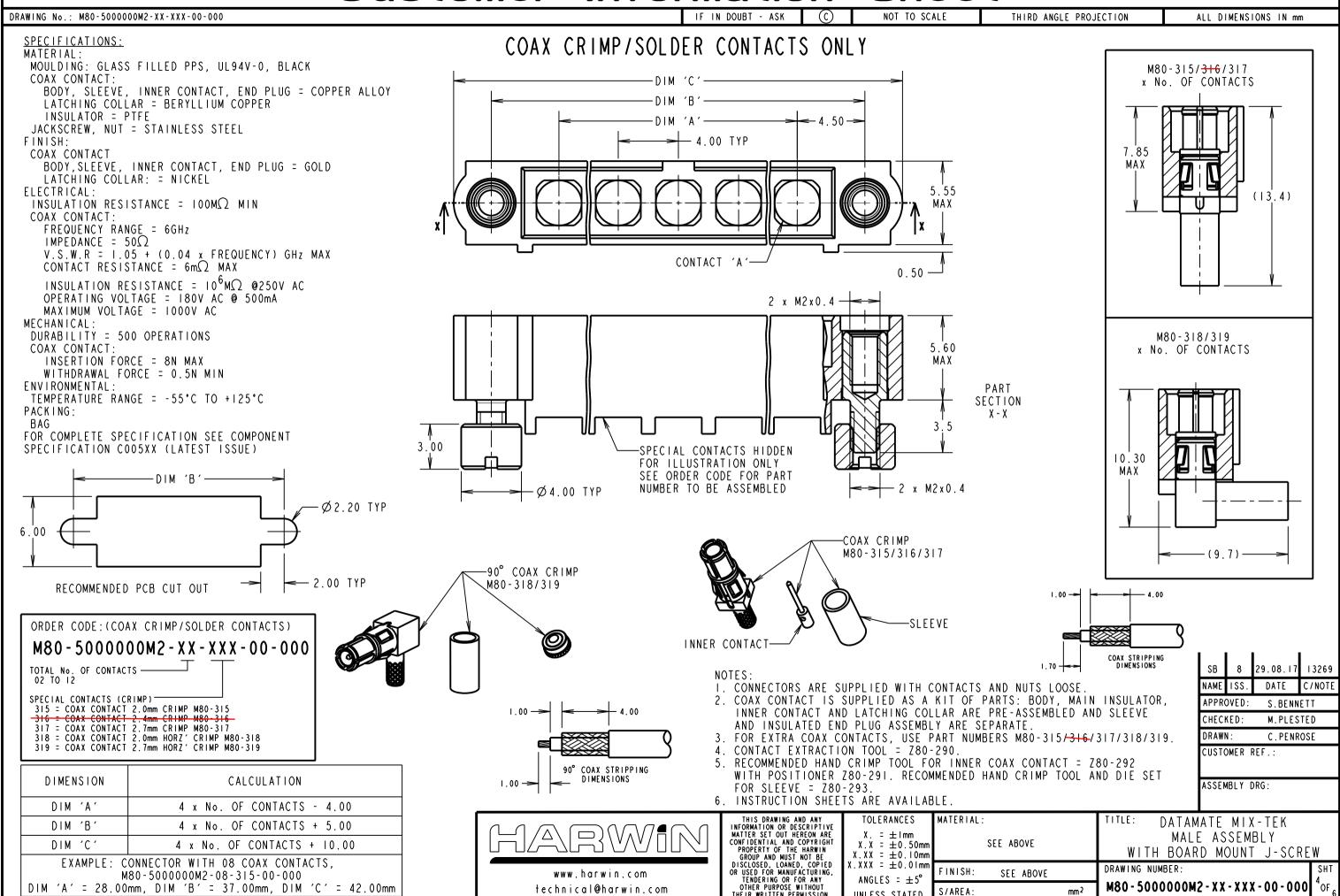
Customer Information Sheet NOT TO SCALE



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technical@harwin.com

M80-5000000M2-08-315-00-000

DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm

SEE ABOVE

M80-5000000M2-XX-XXX-00-000

ANGLES = ±5°

UNLESS STATED

THEIR WRITTEN PERMISSION

S/AREA:

Customer Information Sheet

DRAWING No.: M80-5000000M2-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL: MOULDING: GLASS FILLED PPS. UL94V-O. BLACK POWER CONTACT:

BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

INSULATOR = PTFE

IOILOK RETAINER = STAINLESS STEEL

FINISH:

POWER CONTACT:

BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC

INSULATION RESISTANCE = $100M\Omega$ MIN

POWER CONTACT:

CONTACT RESISTANCE = $6m\Omega$ MAX

CURRENT RATING = M80-335 = 20A MAX WITH I2AWG M80-336 = 15A MAX WITH 14AWG

M80-337 = IOA MAX WITH 16AWG M80-338 = 8A MAX WITH 18AWG

M80-339 = 5A MAX WITH 20AWGM80-PM5 = 40A MAX WITH IOAWG

CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

POWER CONTACT: INSERTION FORCE:

M80-335/336/337/338/339 = 8N MAX

M80-PM5 = 15N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE: M80-335/336/337/338/339 = -55°C TO +125°C

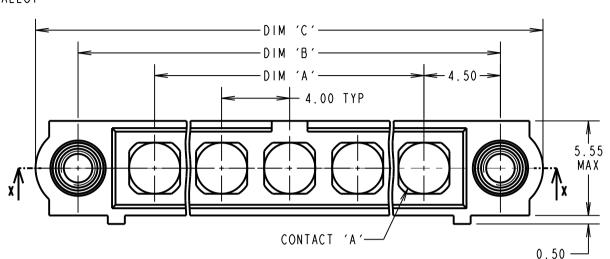
 $M80-PM5 = -55^{\circ}C TO + 150^{\circ}C$

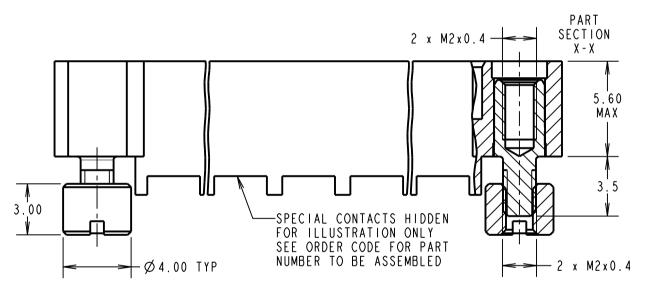
PACKING:

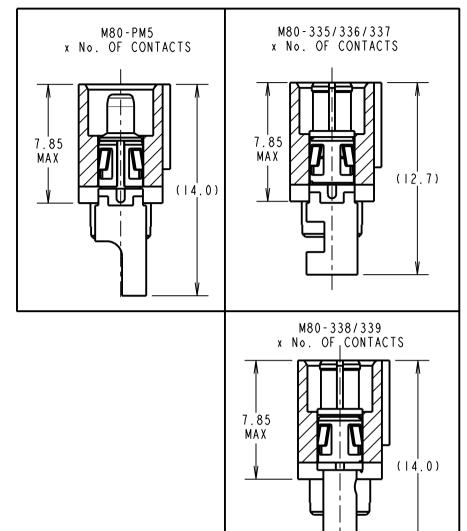
BAG

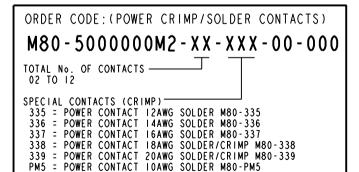
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

POWER CRIMP/SOLDER CONTACTS ONLY



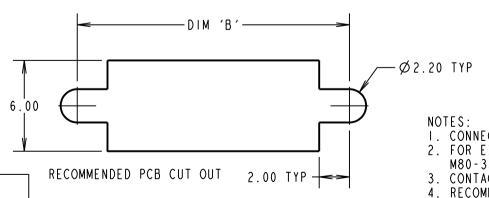


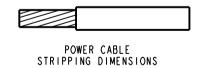




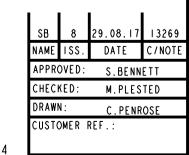
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00
	ONNECTOR WITH 10 POWER CONTACTS, 80-5000000M2-10-335-00-000

| DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm





110	ILU.
١.	CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS LOOSE.
2.	FOR EXTRA POWER CONTACTS USE PART NUMBERS:
	M80-335/336/337/338/339/PF5.
3.	CONTACT EXTRACTION TOOL = Z80-290.
4.	RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294
	AND POSITIONER Z80-295.



ASSEMBLY DRG:

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technical@harwin.com

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TOLERANCES X. = ±1mm X.X = ±0.50mm $X.XX = \pm 0.10$ mm $.XXX = \pm 0.01mm$ ANGLES = ±5°

5. INSTRUCTION SHEETS ARE AVAILABLE.

MATERIAL: SEE ABOVE

DATAMATE MIX-TEK MALE ASSEMBLY WITH BOARD MOUNT J-SCRFW

DRAWING NUMBER:

FINISH: SEE ABOVE M80-5000000M2-XX-XXX-00-000 50F. S/AREA: UNLESS STATED

