

Customer Information Sheet

NOT TO SCALE THIRD ANGLE PROJECTION DRAWING No.: M80-5000000M3-XX-XXX-00-000 ALL DIMENSIONS IN mm



MOULDING: GLASS FILLED PPS, UL94V-0, 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 I6AWG

M80-338 = 8A MAX WITH 18AWG M80-339 = 5A MAX WITH 20AWG M80-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:

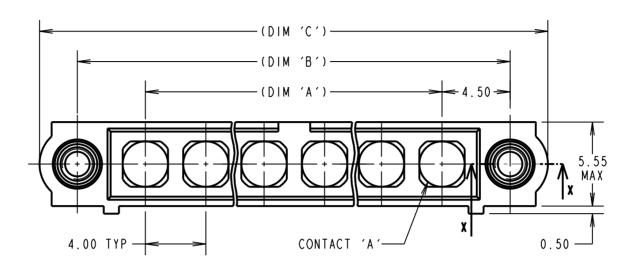
M80-335/336/337/338/339 = -55°C TO +125°C

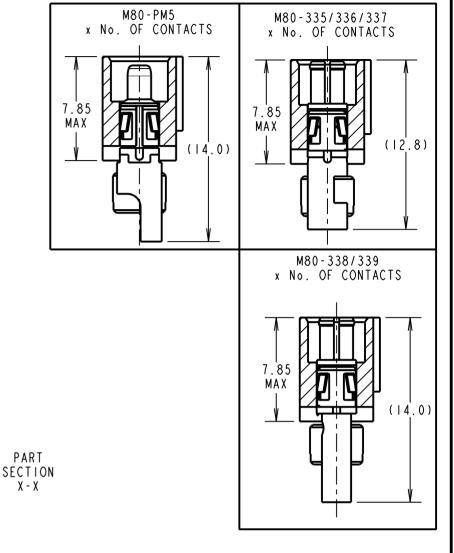
 $M80-PM5 = -55^{\circ}C TO + 150^{\circ}C$

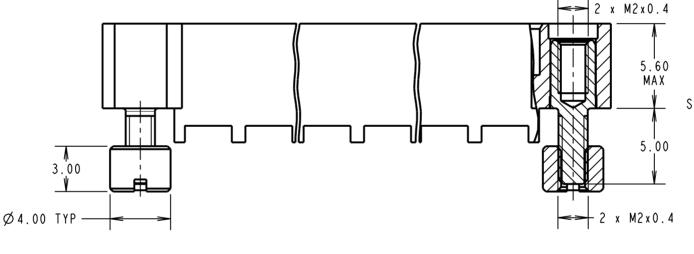
PACKING:

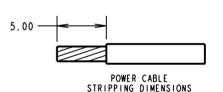
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

POWER CRIMP AND SOLDER CONTACTS ONLY









M80-5000000M3-XX-XXX-00-000 TOTAL No. OF CONTACTS -02 TO 12 SPECIAL CONTACTS (CRIMP) 335 = POWER CONTACT 12AWG SOLDER M80-335 336 = POWER CONTACT 14AWG SOLDER M80-336 337 = POWER CONTACT 16AWG SOLDER M80-337

338 = POWER CONTACT 18AWG SOLDER/CRIMP M80-338

339 = POWER CONTACT 20AWG SOLDER/CRIMP M80-339

PM5 = POWER CONTACT IOAWG SOLDER M80-PM5

ORDER CODE: (POWER CRIMP/SOLDER CONTACTS)

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			
EXAMPLE: CONNECTOR WITH 10 POWER CONTACTS, M80-5000000M3-10-335-00-000				

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

DIM 'B'-RECOMMENDED PCB CUT OUT $2.00 \text{ TYP} \rightarrow$

I. CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS LOOSE.

2. FOR EXTRA POWER CONTACTS USE PART NUMBERS: M80-335/336/337/338/339/PM5

CONTACT EXTRACTION TOOL = Z80-290.

4. RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294 AND POSITIONER Z80-295

S/AREA:

5. INSTRUCTION SHEETS ARE AVAILABLE.

	FM	6	05.09.17	13269	
	NAME	188.	DATE	C/NOTE	
	APPROVED: F.MCGOWAN CHECKED: S.BENNETT DRAWN: R.ADDE CUSTOMER REF.:				
	ASSEM	IBLY (ORG:		



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Ø2.20 TYP

TOLERANCES X. = ±1mm X.X = ±0.50mm X.XX = ±0.10mm X.XXX = ±0.01mm ANGLES = ±5° UNLESS STATED THEIR WRITTEN PERMISSION

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

DATAMATE MIX-TEK MALE ASSEMBLY WITH BOARD MOUNT J/SCREW DRAWING NUMBER: M80-5000000M3-XX-XXX-00-000

