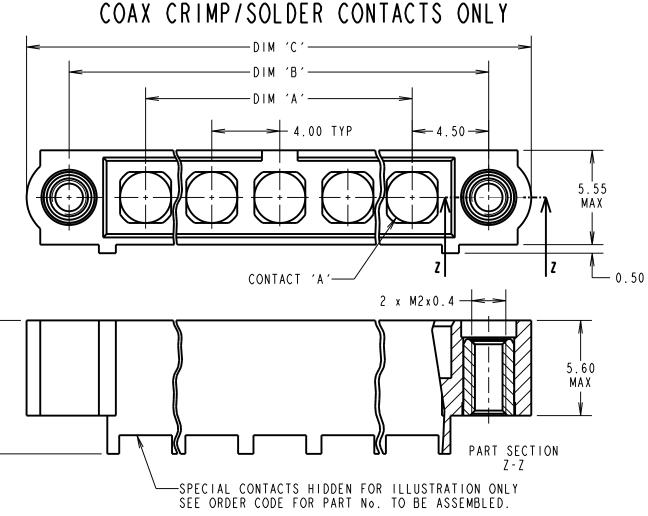
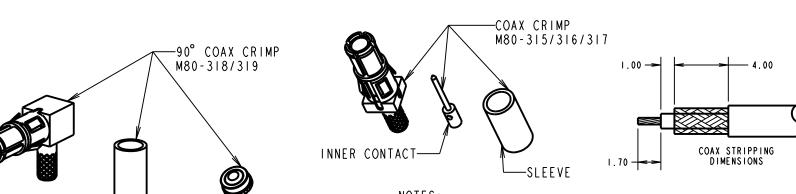
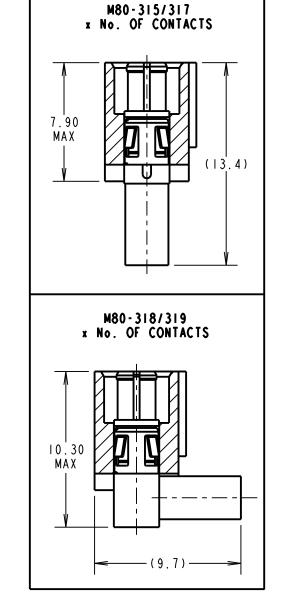
Customer Information Sheet

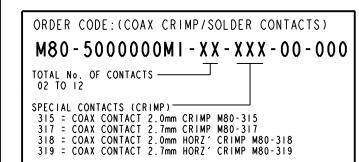
NOT TO SCALE DRAWING No.: M80-5000000MI-XX-XXX-00-000 THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm











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 + 10.0

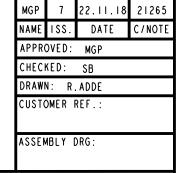
EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS, M80-5000000MI-08-315-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm



- I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE.
- 3. FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/317/318/319.
- 4. CONTACT EXTRACTION TOOL = Z80-290.
- 5. RECOMMENDED HAND CRIMP TOOL FOR INNER COAX CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = 780-293.

S/AREA:

6. INSTRUCTION SHEETS ARE AVAILABLE.



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technical@harwin.com	Ι,

COAX STRIPPING

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

UNLESS STATED

ERIAL:			
	SEE	ABOVE	
ISH:	SEE	ABOVE	

TITLE:	DATAMATE MIX-TEK
	MALE ASSEMBLY
	WITH JACKSCREW

DRAWING NUMBER:

M80-5000000MI	- x x - x x x -	- 00 - 000
	**** *****	~ ~ ~ ~ ~

Customer Information Sheet

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

SPECIFICATIONS: MATERIAL:

MOULDING: GLASS FILLED PPS, UL94V-0, BLACK

POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

JACKSCREW: STAINLESS STEEL

FINISH:

POWER CONTACT:

8 TO 20A = 0.25µm MIN GOLD OVER NICKEL 40A = 0.76µm MIN GOLD OVER NICKEL

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-PM5 = 40A MAX WITH IOAWG,

M80-335 = 20A MAX WITH I2AWG,

M80-336 = 15A MAX WITH 14AWG,

M80-337 = 10A MAX WITH 16AWG,

M80-338 = 8A MAX WITH 18AWG.

M80-339 = 5A MAX WITH 20AWG,

CONTACT AS SPECIFIED.

DURABILITY = 500 OPERATIONS

POWER CONTACT:

INSERTION FORCE:

8 TO 20A = 8N MAX

40A = 15N MAX

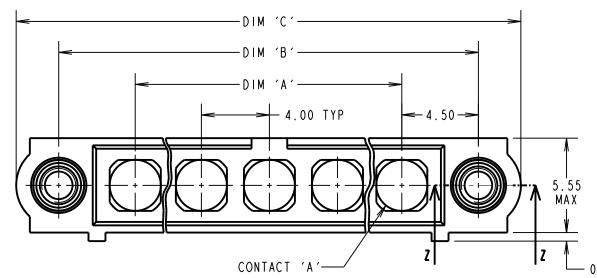
WITHDRAWAL FORCE = 0.5N MIN

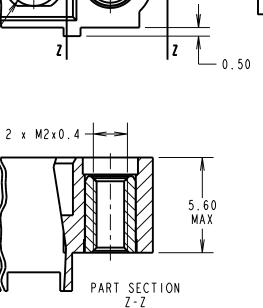
ENVIRONMENTAL:

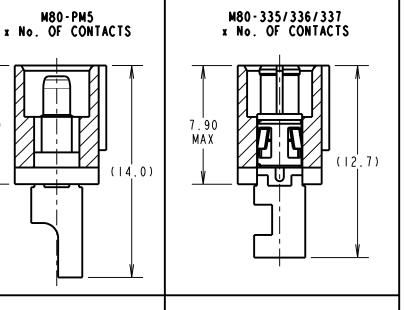
BAG

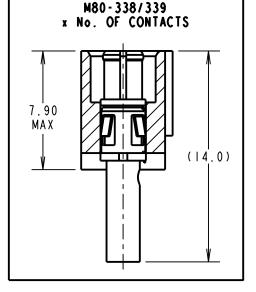
SPECIFICATION COO5XX (LATEST ISSUE)

POWER CRIMP/SOLDER CONTACTS ONLY









TEMPERATURE RANGE = -55°C TO +150°C PACKING: 7.90 FOR COMPLETE SPECIFICATION SEE COMPONENT MAX -SPECIAL CONTACTS HIDDEN FOR ILLUSTRATION ONLY ORDER CODE: (POWER CRIMP/SOLDER CONTACTS) SEE ORDER CODE FOR PART No. TO BE ASSEMBLED.

M80-5000000MI-XX-XXX-00-000 TOTAL No. OF CONTACTS 02 TO 12 SPECIAL CONTACTS (CRIMP) PM5 = POWER CONTACT TOAWG SOLDER M80-PM5 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

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 + 10.0
EXAMPLE: (CONNECTOR WITH IO POWER CONTACTS.

M80-500000MI-I0-335-00-000

DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.0mm

5.00 MIN

POWER CABLE STRIPPING DIMENSIONS

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

7.90

MAX

5. INSTRUCTION SHEETS ARE AVAILABLE.

TOLERANCES

MGP	7	22.11.18	21265
NAME	188.	DATE	C/NOTE
APPRO	OVED:	MGP	
CHEC	KED:	SB	
DRAW	N: R.	ADDE	
CUSTO	OMER 1	REF.:	
ASSEM	MBLY (ORG:	

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PROPERTY OF THE HARWIN	
	V VV - 10 10mm
GROUP AND MUST NOT BE	X.XX = ±0.10mm
DISCLOSED, LOANED, COPIED	$X.XXX = \pm 0.01$ mm
OR USED FOR MANUFACTURING.	
TENDERING OR FOR ANY	ANGLES = $\pm 5^{\circ}$
OTHER PURPOSE WITHOUT	
	l
THEIR WRITTEN PERMISSION.	UNLESS STATED

IATERIAL:	
	SEE ABOVE
INISH:	SEE ABOVE

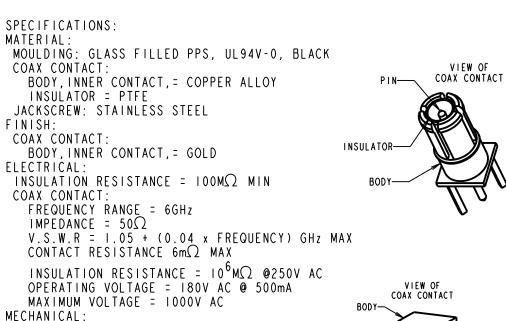
	WITH JACKSCREW
	MALE ASSEMBLY
ITLE:	DATAMATE MIX-TEK

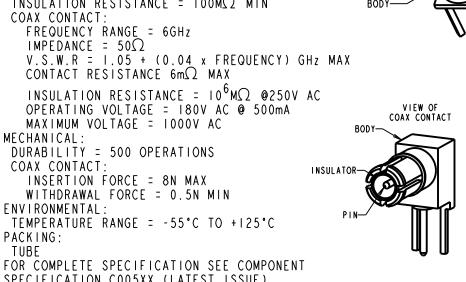
DRAWING NUMBER:

M80-5000000MI-XX-XXX-00-000 0F.

Customer Information

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





ORDER CODE: (COAX PC TAIL CONTACTS ONLY) M80-500000MI-XX-XXX-00-000 TOTAL No. OF CONTACTS -02 TO 12 SPECIAL CONTACTS (PC TAIL) 311= COAX CONTACT 3.0mm PC TAIL M80-311 312 = COAX CONTACT 4.5mm PC TAIL M80-312 313 = COAX CONTACT 3.0mm HORZ PC TAIL M80-313 314 = COAX CONTACT 4.5mm HORZ PC TAIL M80-314

DURABILITY = 500 OPERATIONS COAX CONTACT: INSERTION FORCE = 8N MAX

ENVIRONMENTAL:

PACKING: TUBE

WITHDRAWAL FORCE = 0.5N MIN

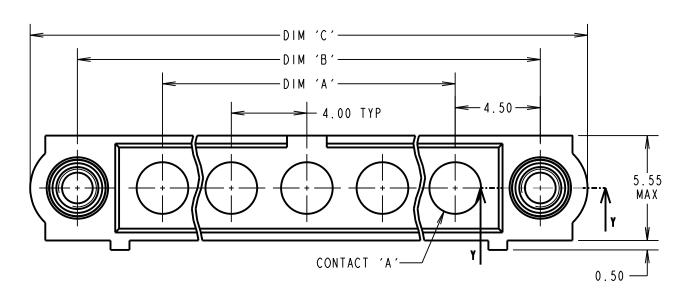
TEMPERATURE RANGE = -55°C TO +125°C

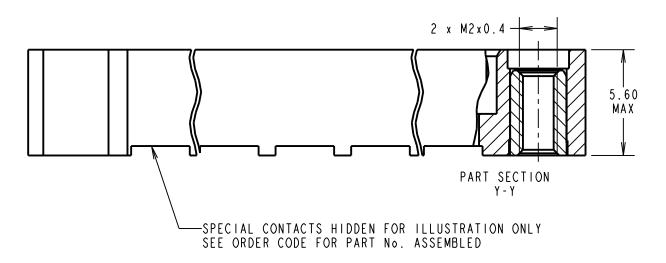
SPECIFICATION COO5XX (LATEST ISSUE)

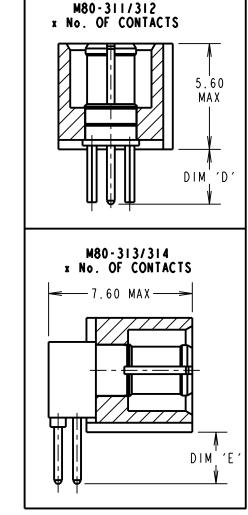
DIMENSION	CALCULATION			
DIM 'A'	4 x No. OF CONTACTS - 4.00			
DIM 'B'	4 x No. OF CONTACTS + 5.00			
DIM 'C'	4 x No. OF CONTACTS + 10.0			
DIM 'D'	M80-311 = 3.0mm, M80-312 = 4.5mm			
DIM 'E'	M80-313 = 3.0mm, M80-314 = 4.5mm			
EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS,				

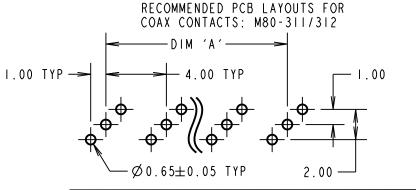
M80-5000000MI-08-313-00-000
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm
DIM 'E' = 3.0mm

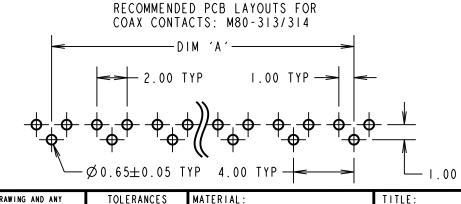
COAX PC TAIL CONTACTS ONLY











	MGP	7	22.11.18	21265		
	NAME	188.	DATE	C/NOTE		
	APPROVED: MGP CHECKED: SB DRAWN: R.ADDE CUSTOMER REF.:					
	ASSEM	MBLY (ORG:			

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X. = ±1mm $X.X = \pm 0.50 mm$ $X.XX = \pm 0.10$ mm .XXX = ±0.01mm

MATERIAL: SEE ABOVE FINISH:

TITLE:

DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

M80-5000000MI-XX-XXX-00-000 OF.

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ANGLES = ±5° UNLESS STATED

SEE ABOVE

Customer Information Sheet

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

SPECIFICATIONS: MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-0, BLACK POWER CONTACT: COPPER ALLOY JACKSCREW: STAINLESS STEEL FINISH: POWER CONTACT: 20A = 0.25µm MIN GOLD OVER NICKEL 40A = 0.76 µm MIN GOLD OVER 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:

M80-331/332/333/334/33A = 20A MAXM80-PMI/PM2/PM3/PM4 = 40A MAX

MECHANICAL:

DURABILITY = 500 OPERATIONS

POWER CONTACT:

INSERTION FORCE:

M80-331/332/323/324/33A = 8N MAXM80-PMI/PM2/PM3/PM4 = I5N MAXWITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +150°C PACKING:

TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

ORDER CODE: (POWER PC TAIL AND SMT CONTACTS ONLY)

M80-500000MI-XX-XXX-00-000

TOTAL No. OF CONTACTS -02 TO 12

DIM 'G'

SPECIAL CONTACTS (PC TAIL) 331 = 20A POWER CONTACT 3.0mm VERT' PC TAIL M80-331
332 = 20A POWER CONTACT 4.5mm VERT' PC TAIL M80-332
333 = 20A POWER CONTACT 3.0mm HORZ' PC TAIL M80-333
334 = 20A POWER CONTACT 4.5mm HORZ' PC TAIL M80-334
33A = 20A POWER CONTACT HORIZONTAL SMT M80-33A PMI = 40A POWER CONTACT 3.0mm VERT PC TAIL M80-PMI PM2 = 40A POWER CONTACT 4.5mm VERT PC TAIL M80-PM2 PM3 = 40A POWER CONTACT 3.0mm HORZ PC TAIL M80-PM3

PM4 = 40A POWER CONTACT 4.5mm HORZ' PC TAIL M80-PM4

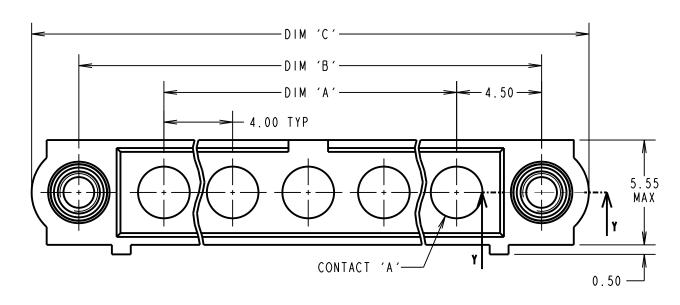
DIMENSION CALCULATION DIM 'A' 4 x No. OF CONTACTS - 4.00 DIM 'B 4 x No. OF CONTACTS + 5.00 4 x No. OF CONTACTS + 10.0 DIM 'C' M80-331 = 3.5mm, M80-332 = 5.0mm DIM 'D M80-333 = 3.5mm, M80-334 = 5.0mm DIM 'E' DIM 'F' M80-PMI = 3.5mm, M80-PM2 = 5.0mm

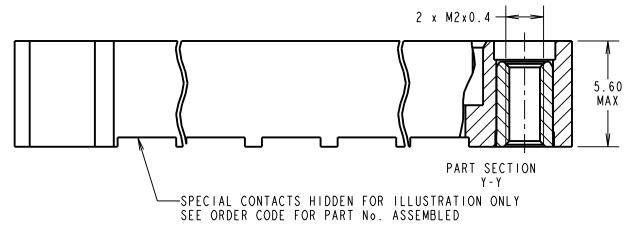
EXAMPLE: CONNECTOR WITH 10 POWER CONTACTS. M80-5000000MI-I0-334-00-000

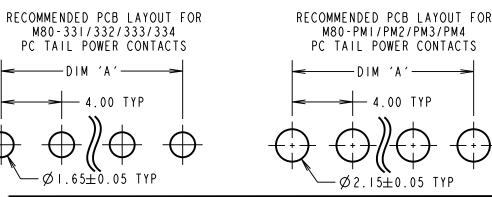
DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.0mmDIM 'E' = 4.5 mm

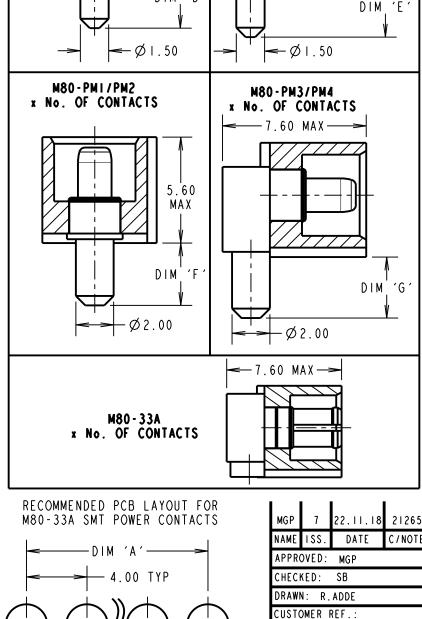
M80-PM3 = 3.5mm, M80-PM4 = 5.0mm

POWER PC TAIL AND SMT CONTACTS ONLY









5.60

MAX

DIM 'D

M80-331/332

x No. OF CONTACTS



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

TOLERANCES

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

 \emptyset 2.75±0.05 TYP

TITLE:

DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

ASSEMBLY DRG:

C/NOTE

M80-333/334

x No. OF CONTACTS

— 7.60 MAX

DRAWING NUMBER:

M80-5000000MI-XX-XXX-00-000 OF,

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