Customer Information

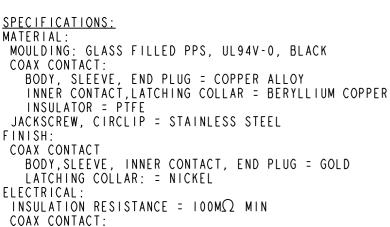
DRAWING No.: M80-4000000FI-XX-XXX-00-000 IF IN DOUBT - ASK

SLOTTED HEX HEAD

1.00 →

1.70

INSULATOR-



FREQUENCY RANGE = 6GHz IMPEDANCE = 50Ω

V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX CONTACT RESISTANCE = $6m\Omega$ MAX

INSULATION RESISTANCE = $10^6 \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA MAXIMUM VOLTAGE = 1000V AC

MECHANICAL:

DURABILITY = 500 OPERATIONS

COAX CONTACT:

INSERTION FORCE = 8N MAX WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

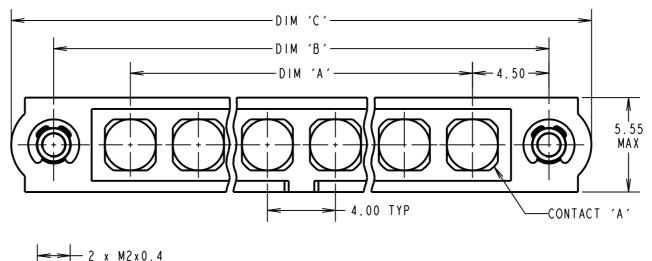
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

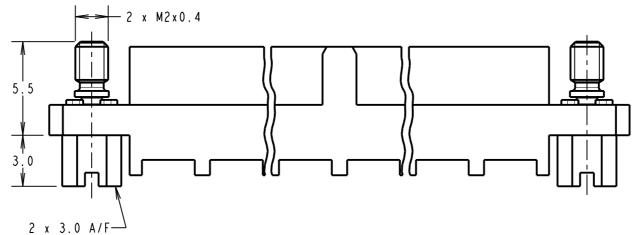
ORDER CODE: (COAX CRIMP/SOLDER) M80-400000FI-XX-XXX-00-000 TOTAL No. OF CONTACTS __ 02 TO 12 SPECIAL CONTACTS 305 = COAX CONTACT CRIMP 2.0mm M80-305 COAX CONTACT CRIMP 2.4mm M80 306 307 = COAX CONTACT CRIMP 2.7mm M80-307 308 = 90° COAX CONTACT CRIMP/SOLDER 2.0mm M80-308 309 = 90° COAX CONTACT CRIMP/SOLDER 2.7mm M80-309

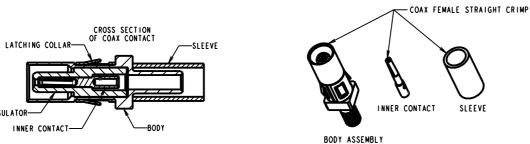
DIMENSION	CALCULATION		
DIM 'A'	4 x No. OF CONTACTS - 4.00		
DIM 'B'	4 x No. OF CONTACTS + 5.00		
DIM 'C'	4 x No. OF CONTACTS + 10.00		

EXAMPLE: CONNNECTOR WITH 08 COAX CONTACTS, M80-400000FI-08-305-00-000 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm

COAX CRIMP/SOLDER CONTACTS ONLY

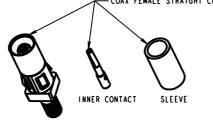


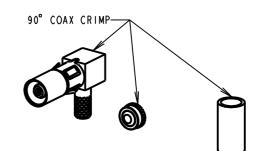


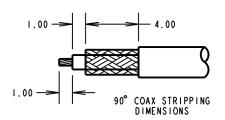


- 4.00

COAX STRIPPING







APPROVED:

CHECKED:

CUSTOMER REF.:

ASSEMBLY DRG:

DRAWN:

ALL DIMENSIONS IN mm

7.55

MAX

M80-305/306/307

x No. OF CONTACTS

M80-308/309

x No. OF CONTACTS

(9.7)

1.08.15 12997

C/NOTE

DATE

M.PERREN

S.BENNETT

R. ADDE

(13.4)

(10.3)

NOTES:

- I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR AND LATCHING COLLAR ARE PRE-ASSEMBLED. SLEEVE AND INNER CONTACT ARE SEPARATE.
- 3. FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305/306/307/308/309
 4. RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = Z80-292 WITH POSITIONER Z80-291 AND RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR COAX SLEEVE = Z80-293.

NOT TO SCALE

THIRD ANGLE PROJECTION

- COAX CONTACT EXTRACTION TOOL = Z80-290.
- 6. INSTRUCTION SHEETS ARE AVAILABLE.

HARWIN	
www.harwin.com technical@harwin.com	_

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THEIR WRITTEN PERMISSION.

TOLERANCES X. = ±1mm X.X = ±0.50mm X.XX = ±0.10mm MATERIAL: SEE ABOVE FINISH:

S/AREA:

TITLE: DATAMATE MIX-TEK FEMALE ASSEMBLY

M80-400000FI-XX-XXX-00-000

 $X.XXX = \pm 0.01mm$ ANGLES = ±5° UNLESS STATED

SEE ABOVE

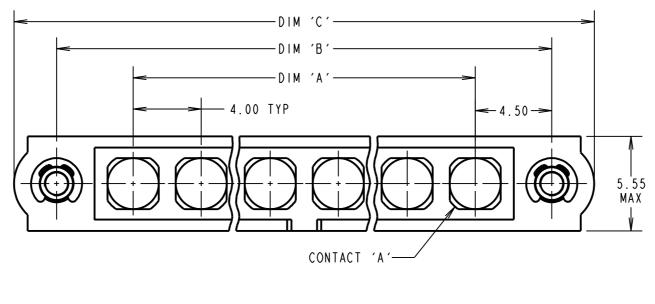
WITH JACKSCREW DRAWING NUMBER:

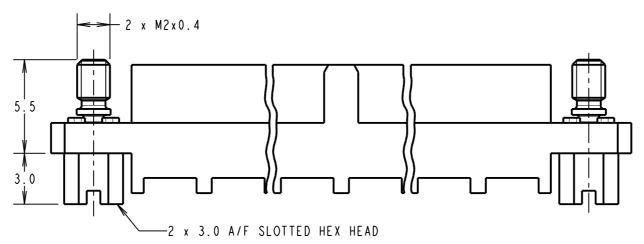
Customer Information

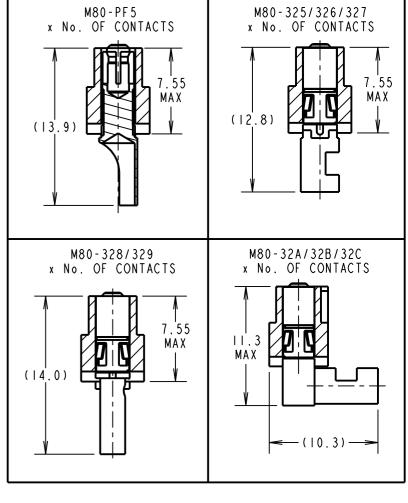
DRAWING No.: M80-4000000FI-XX-XXX-00-000 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS: MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-0, BLACK POWER CONTACT: BODY = COPPER ALLOY LATCHING COLLAR = BERYLLIUM COPPER JACKSCREW. CIRCLIP = 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 = M80-325 = 20A MAX WITH I2AWG M80-326 = 15A MAX WITH 14AWG M80-327 = IOA MAX WITH I6AWG M80-328 = 8A MAX WITH 18AWG M80-329 = 5A MAX WITH 20AWG M80-32A = 20A MAX WITH 12AWG M80-32B = 15A MAX WITH 14AWG M80-32C = 10A MAX WITH 16AWG M80-PF5 = 40A MAX WITH IOAWG CONTACT AS SPECIFIED MECHANICAL: DURABILITY = 500 OPERATIONS POWER CONTACT: INSERTION FORCE M80-325/326/327/328/329/ 32A/32B/32C = 8N MAXM80-PF5 = I5N MAX WITHDRAWAL FORCE = 0.5N MIN **FNVIRONMENTAL:** TEMPERATURE RANGE: M80-325/326/327/328/329/ $32A/32B/32C = -55^{\circ}C TO + 125^{\circ}C$ $M80-PF5 = -55^{\circ}C TO + 150^{\circ}C$ PACKING:

POWER CRIMP AND 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		
5			

EXAMPLE: CONNECTOR WITH 10 POWER CONTACTS, M80-400000FI-10-325-00-000 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm

I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. 2. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325/326/327/328/329/32A/32B/32C/PF5.

5.00 MIN

POWER CABLE

- 3. POWER AND CONTACT EXTRACTION TOOL = Z80-290.
- 4. INSTRUCTION SHEETS ARE AVAILABLE.
- 5. RECOMMENDED HAND CRIMP TOOL FOR INNER COAX CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.

1101	,			
NAME	188.	DATE	C/NOTE	
APPRO	OVED:	M.PERREN		
CHECKED:		S.BENNETT		
DRAWN:		R.ADDE		
CUSTOMER REF.:				

ASSEMBLY DRG:

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

MATERIAL: SEE ABOVE FINISH: SEE ABOVE DATAMATE MIX-TEK FEMALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:



ANGLES = ±5° UNLESS STATED

S/AREA:

M80-400000FI-XX-XXX-00-000

TOTAL No. OF CONTACTS __ 02 TO 12 SPECIAL CONTACTS 325 = POWER CONTACT SOLDER 12AWG M80-325 326 = POWER CONTACT SOLDER 14AWG M80-326 327 = POWER CONTACT SOLDER 16AWG M80-327 328 = POWER CONTACT SOLDER OR CRIMP 18AWG M80-328 329 = POWER CONTACT SOLDER OR CRIMP 20AWG M80-329 32A = 90° POWER CONTACT SOLDER 12AWG M80-32A 32B = 90° POWER CONTACT SOLDER 14AWG M80-32B 32C = 90° POWER CONTACT SOLDER 16AWG M80-32C

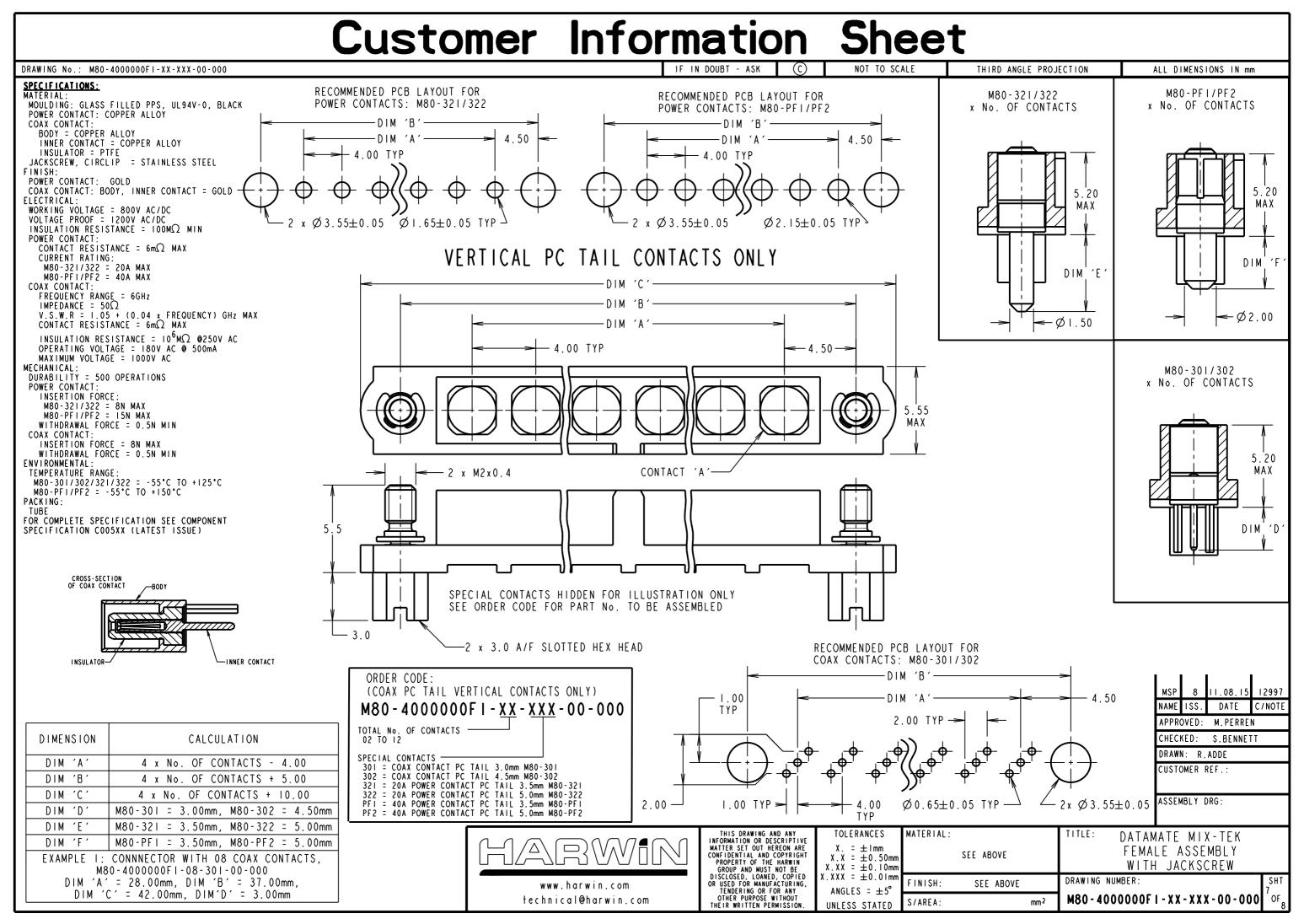
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

ORDER CODE: (POWER CRIMP/SOLDER)

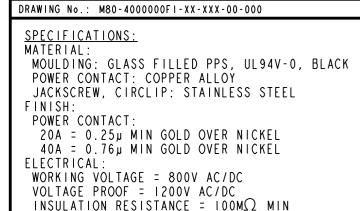
PF5 = POWER CONTACT SOLDER 10AWG M80-PF5

M80-400000FI-XX-XXX-00-000

BAG



Customer Information IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION



POWER CONTACT: CONTACT RESISTANCE = $6m\Omega$ MAX CURRENT RATING:

M80 - 323/324 = 20A MAXM80-PF4/PF4 = 40A MAX

MECHANICAL: DURABILITY = 500 OPERATIONS POWER CONTACT:

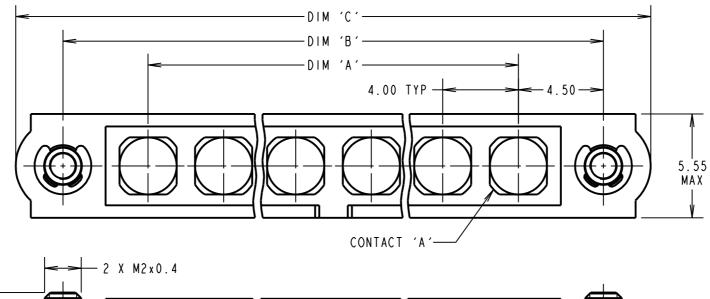
INSERTION FORCE: M80 - 323/324 = 8N MAXM80-PF3/PF4 = 15N MAX WITHDRAWAL FORCE = 0.5N MIN

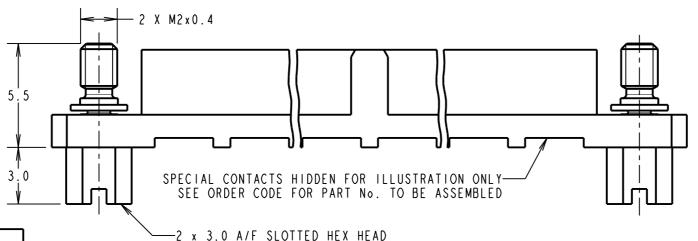
ENVIRONMENTAL: TEMPERATURE RANGE = -55°C TO +150°C PACKING:

TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

HORIZONTAL POWER PC TAIL CONTACTS ONLY

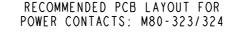


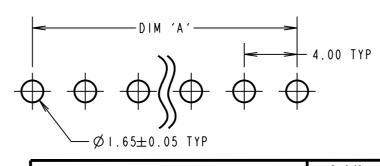


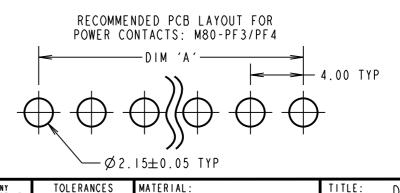
ORDER CODE: (POWER PC TAIL HORIZONTAL CONTACTS ONLY) M80-400000FI-XX-XXX-00-000 TOTAL No. OF CONTACTS -02 TO 12 323 = 20A POWER CONTACT PC TAIL 3.5mm M80-323 324 = 20A POWER CONTACT PC TAIL 5.0mm M80-324 PF3 = 40A POWER CONTACT PC TAIL 3.5mm M80-PF3 PF4 = 40A POWER CONTACT PC TAIL 5.0mm M80-PF4

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
DIM 'D'	M80-323 = 3.50mm, M80-324 = 5.00mm
DIM 'E'	M80-PF3 = 3.50mm, M80-PF4 = 5.00mm

EXAMPLE: CONNECTOR WITH 10 POWER CONTACTS. M80-4000000FI-10-323-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm, DIM 'D' = 3.50mm







			_	•		
	MSP	8	11.08.15	12997		
	NAME	188.	DATE	C/NOTE		
	APPROVED: M.PERREN					
	CHECKED: S.BENNETT					
	DRAWN: R.ADDE CUSTOMER REF.:					
	ASSEN	MBLY (ORG:			
				•		

DIM 'E'

ALL DIMENSIONS IN mm

5.80 MAX

DIM 'D

M80-323/324

x No. OF CONTACTS

−7.40 MAX ----

5.20 -

MAX

Ø1.50

-(5.7)·

MAX

Ø2.00

M80-PF3/PF4

x No. OF CONTACTS

-7.40 MAX ->

3.00

3.00

(5.7)

technical@harwin.com

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X. = ±1mm X.X = ±0.50mm X.XX = ±0.10mm .XXX = ±0.01mm

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

DATAMATE MIX-TEK FEMALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

www.harwin.com

ANGLES = ±5° UNLESS STATED

S/AREA:

M80-4000000FI-XX-XXX-00-000 of.