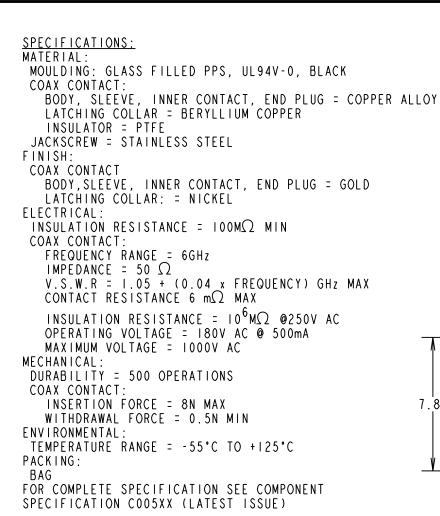
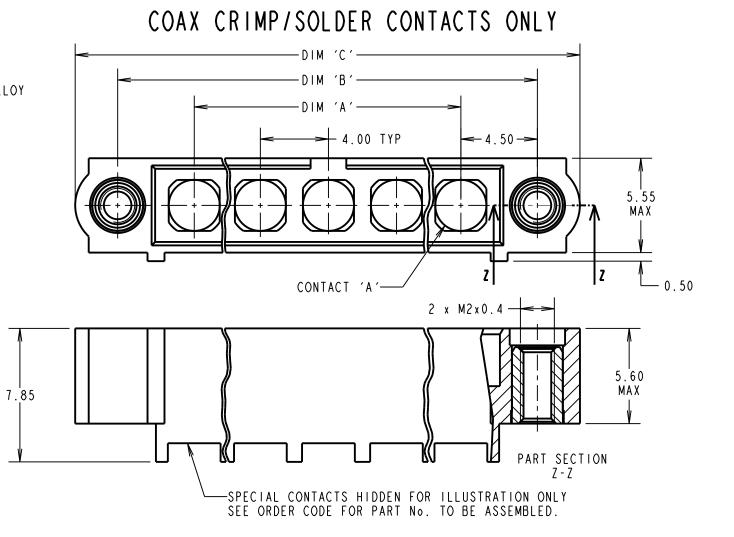
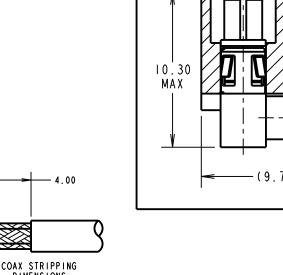
## Customer Information

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







7.85

MAX

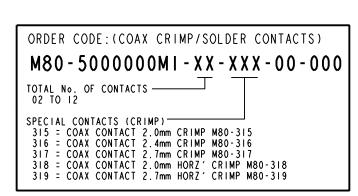
M80-315/316/317

x No. OF CONTACTS

M80-318/319

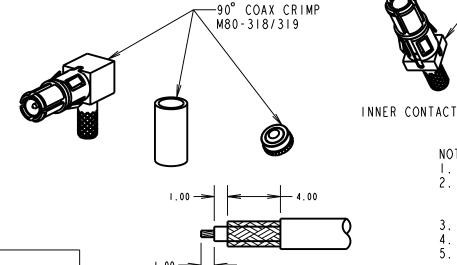
x No. OF CONTACTS

(13.4)



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
EVAMPLE	ONNECTOD WITH OR CONV CONTACTS

EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS. M80-5000000MI-08-315-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm



NOTES:

-SLEEVE

 CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
 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.

1,00 →

3. FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/316/317/318/319.

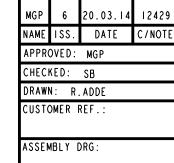
4. CONTACT EXTRACTION TOOL = Z80-290.

-COAX CRIMP M80-315/316/317

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.

S/AREA:

6. INSTRUCTION SHEETS ARE AVAILABLE.





90° COAX STRIPPING

DIMENSIONS

THIS DRAWING AND ANY
NFORMATION OR DESCRIPTIVE
ATTER SET OUT HEREON ARE
ONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
ISCLOSED, LOANED, COPIED
R USED FOR MANUFACTURING,
TENDERING OR FOR ANY
ATHER RUDDACE WITHAUT

TOL	TOLERANCES		
Χ.	Ξ	$\pm 11$	mm
X . X	Ξ	$\pm 0$	. 25mm
X . X X			. I 0mm
X . X X X	Ξ	±0	. 0 I mm
ANGI	_E S	S =	±5°

MATERIAL	:	
	SEE	ABOVE
FINISH:	SEE	ABOVE

ABOVE	TITLE:	DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

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

OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION. UNLESS STATED

# 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 = 0.25 \mu MIN GOLD OVER NICKEL 40A = 0.76μ 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 IOAWGM80-335 = 20A MAX WITH 12AWG. 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. MECHANICAL: DURABILITY = 500 OPERATIONS POWER CONTACT:

INSERTION FORCE:

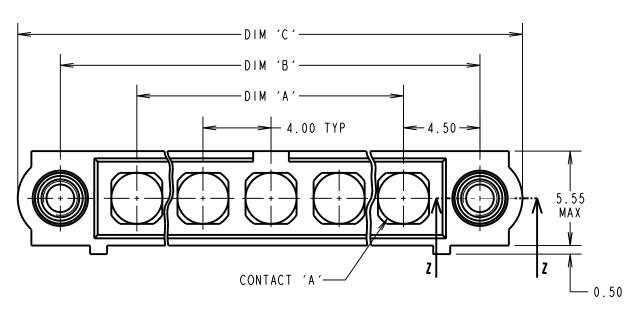
40A = 15N MAX

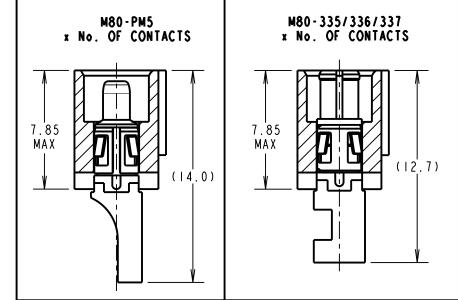
**ENVIRONMENTAL:** 

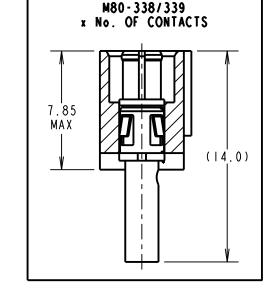
PACKING:

BAG

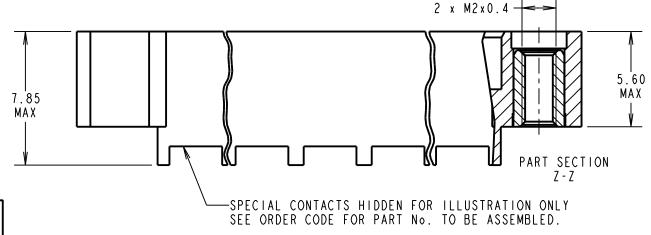
## POWER CRIMP/SOLDER CONTACTS ONLY







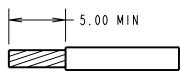
## 8 TO 20A = 8N MAX WITHDRAWAL FORCE = 0.5N MIN TEMPERATURE RANGE = -55°C TO +150°C FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)



## ORDER CODE: (POWER CRIMP/SOLDER CONTACTS) M80-500000MI-XX-XXX-00-000 TOTAL No. OF CONTACTS 02 TO 12 SPECIAL CONTACTS (CRIMP) PM5 = POWER CONTACT 10AWG SOLDER M80-PM5 335 = POWER CONTACT 12AWG SOLDER M80-335 336 = POWER CONTACT 14AWG SOLDER M80-336 337 = POWER CONTACT 14AWG SOLDER MOU-336 337 = POWER CONTACT 16AWG 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 + 10.00
F X A M P I F · C (	ONNECTOR WITH IO POWER CONTACTS

M80-5000000MI-I0-335-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm



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.
- 5. INSTRUCTION SHEETS ARE AVAILABLE.

MGP	6	20.03.14	12429
NAME	188.	DATE	C/NOTE
APPRO	OVED:	MGP	
CHEC	KED:	SB	
DRAW	N: R.	ADDE	
CUST	OMER 1	REF.:	
ASSEN	IBLY (	ORG:	

HARWIN
www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY

TOL	E F	RANCES	
	Ξ		
	Ξ		
		$\pm 0.10$ m	
X.XXX	Ξ	±0.01m	ſ
ANGL	Ε:	$S = \pm 5^{\circ}$	

MATERIAL	:
	SEE ABOVE
FINISH:	SEE ABOVE

DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

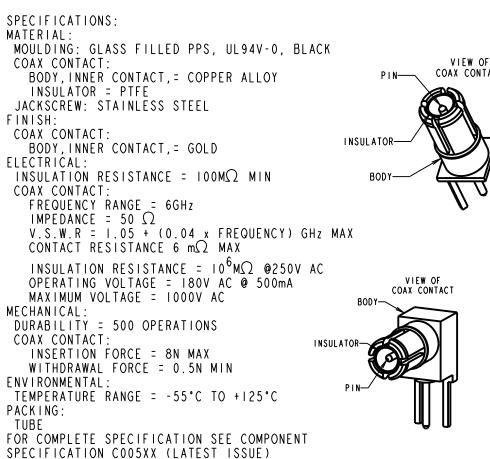
M80-5000000MI-XX-XXX-00-000 OF.

OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

UNLESS STATED

## Customer Information Sheet

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



# COAX CONTACT

### ORDER CODE: (COAX PC TAIL CONTACTS ONLY)

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

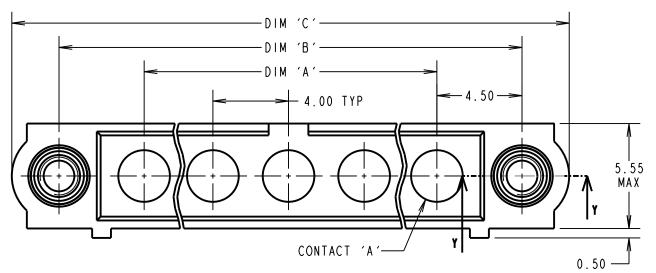
TOTAL No. OF CONTACTS -02 TO 12

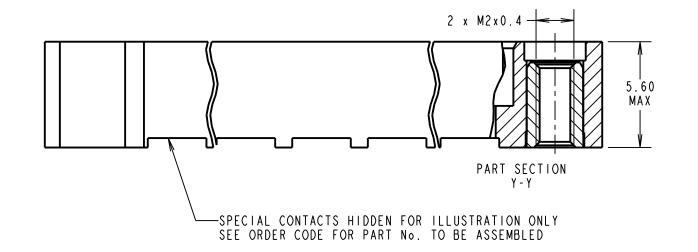
SPECIAL CONTACTS (PC TAIL)-311= COAX CONTACT 3.0mm PC TAIL M80-311 312 = COAX CONTACT 4.5mm PC TAIL M80-312 313 = COAX CONTACT 3.0mm HORZ' PC TAIL M80-313 314 = COAX CONTACT 4.5mm HORZ' PC TAIL M80-314

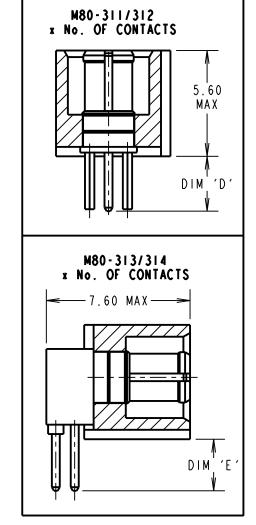
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00
DIM 'D'	M80-311 = 3.0mm, M80-312 = 4.5mm
DIM 'E'	M80-313 = 3.0mm, M80-314 = 4.5mm

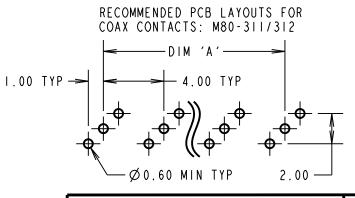
EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS, M80-500000MI-08-313-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm DIM 'E' = 3.0mm

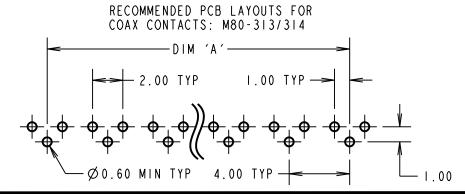
## COAX PC TAIL CONTACTS ONLY











MGP	6	20.03.14	12429	
NAME	188.	DATE	C/NOTE	
APPROVED: MGP				
CHEC	CHECKED: SB			
DRAWN: R.ADDE				
CUSTO	CUSTOMER REF.:			
ASSEN	MBLY (	ORG:		

HARWIN				
www.harwin.com				

technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES X. = ±1mm X.X = ±0.25mm  $X.XX = \pm 0.10$ mm  $.XXX = \pm 0.01$ mm

MATERIAL: SEE ABOVE TITLE: DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

ANGLES = ±5° UNLESS STATED

FINISH: SEE ABOVE S/AREA:

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

# Customer Information Sheet

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

### **SPECIFICATIONS:** MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-0, BLACK POWER CONTACT: COPPER ALLOY JACKSCREW: STAINLESS STEEL FINISH: POWER CONTACT:

20A = 0.25μ MIN GOLD OVER NICKEL 40A = 0.76μ 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 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)

### ORDER CODE:

(POWER PC TAIL AND SMT CONTACTS ONLY)

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

TOTAL No. OF CONTACTS —

SPECIAL CONTACTS (PC TAIL)-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 4.5mm HORZ PC TAIL M80-33A 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

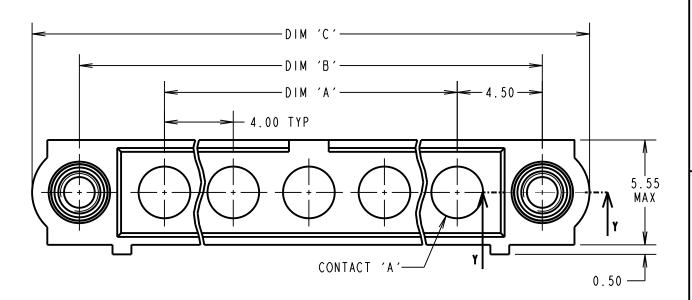
PM4 = 40A POWER CONTACT 4.5mm HORZ' PC TAIL M80-PM4

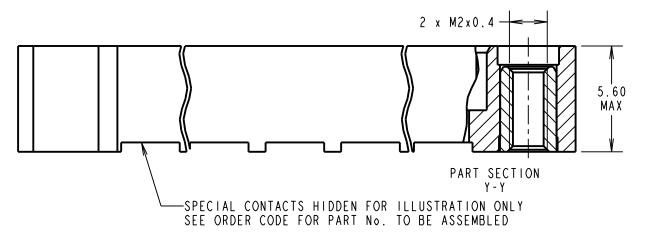
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00
DIM 'D'	M80-331 = 3.5mm, M80-332 = 5.0mm
DIM 'E'	M80-333 = 3.5mm, M80-334 = 5.0mm
DIM 'F'	M80-PM1 = 3.5mm, M80-PM2 = 5.0mm
DIM 'G'	M80-PM3 = 3.5mm, M80-PM4 = 5.0mm

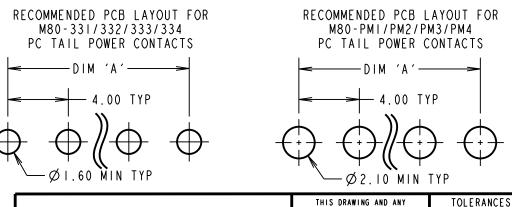
EXAMPLE: CONNECTOR WITH 10 POWER CONTACTS, M80-5000000MI-I0-334-00-000

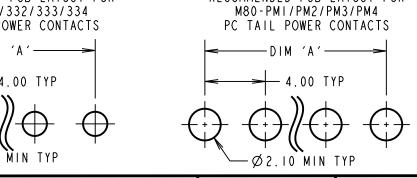
DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm DIM 'E' = 4.5mm

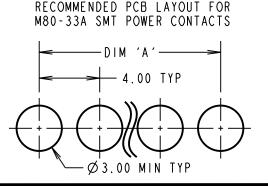
### POWER PC TAIL AND SMT CONTACTS ONLY











M80-331/332

x No. OF CONTACTS

M80-PM1/PM2

x No. OF CONTACTS

5.60

MAX

'D

5.60

MAX

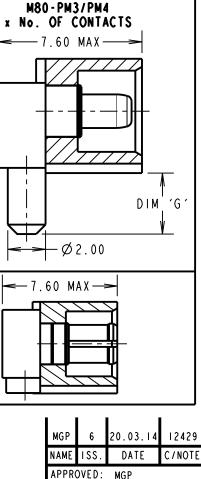
DIM

 $\emptyset 2.00$ 

M80-33A x No. OF CONTACTS

DIM

Ø1.50



Έ DIM

M80-333/334

x No. OF CONTACTS

⊢Ø1.50

— 7.60 MAX

www.harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

X. = ±1mm  $X.X = \pm 0.25 mr$  $X.XX = \pm 0.10$ mm  $.XXX = \pm 0.01$ mm ANGLES = ±5°

UNLESS STATED

MATERIAL: SEE ABOVE FINISH:

S/AREA:

TITLE:

DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

ASSEMBLY DRG:

CHECKED: SB DRAWN: R.ADDE CUSTOMER REF.:

DRAWING NUMBER: SEE ABOVE

M80-5000000MI-XX-XXX-00-000 8 OF.

technical@harwin.com