## Customer Information Sheet

DRAW ING No.: M80-5000000M5-XX-XXX-00-000

SPECIFICATIONS:
MOULDING: GLASS FILLED PPS, UL94V-0, BLAC COAX CONTACT.

BODY, SLEEVE, INNER CONTAC
END PLUG - COPPER ALLOY NSULATOR = PTFE BERYLLIUM COPPE
CKSCREW, SCREW = STAINLESS STEEL
FINISH:
BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD LATCHING COLLAR: = NICKEL
ELECTRICAL
INSULATION RESISTANCE $=100 \mathrm{M} \Omega \mathrm{mIN}$
COAX CONTACT
FREQUENCY RANGE $=6 \mathrm{GHz}$
IMPEDANCE = $50 \Omega$
V.S.W.R $=1.05+(0.04 \times$ FREQUENCY $)$ GHz MAX CONTACT RESISTANCE = $6 \mathrm{~m} \Omega$ MAX
INSULATION RESISTANCE $=10^{6} \mathrm{M} \Omega$ @250V AC OPERATING VOLTAGE = 180 V AC @ 500 mA
MAXIMUM VOLTAGE $=1000 \mathrm{~V}$ AC
MECHANICAL:
DURABILITY = 500 OPERATIONS
INSERTION
NSERTION FORCE = 8N MAX
WITHDRAWAL FORCE $=0.5 \mathrm{~N}$ MIN
TEMPERATURE RANGE $=-55^{\circ} \mathrm{C}$ TO $+125^{\circ} \mathrm{C}$
PACKING:
BAG
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COOSXX (LATEST ISSUE)

COAX CRIMP AND SOLDER CONTACTS ONLY







| tolerances |
| :---: |
| $\mathrm{x}^{\mathrm{x}} \mathrm{x}= \pm 1 \mathrm{~mm}$ |
| $\begin{aligned} & x \\ & x^{x}= \pm 0.50 \mathrm{~mm} \\ & x^{\text {x }}= \pm 0.10 \mathrm{~mm}\end{aligned}$ |
| x. $\mathrm{xxx}= \pm 0.01 \mathrm{~mm}$ |
| ANGLES $= \pm 5^{\circ}$ |


$\underset{\text { TYP }}{25 \pm 0.05}$


NOTES:

1. CONNECTORS ARE SUPPLIED WITH CONTACTS AND BM SCREWS NOT ASSEMBLED 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS. BODY MAIN INSULATER INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND I NSULATED END PLUG ASSEMBLY ARE SEPARATE
2. FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/3/6/317/318/319
3. CONTACT EXTRACTION TOOL $=280-290$.

$$
\begin{array}{|c|c|}
\hline \hline \text { DIMENSION } & \text { CALCULATION }
\end{array}
$$

| DIM 'A' |  | $x$ No. Of CONTACTS | 4.00 |
| :---: | :---: | :---: | :---: |
| DIM 'B' |  | $x$ No. Of CONTACTS | 5.00 |
| DIM 'C' |  | $x$ No. Of CONTACTS | 10.0 |
| EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS, M80-5000000M5-08-315-00-000 |  |  |  |

$\frac{\substack{\text { www. harwin.com } \\ \text { technical@harwin.com }}}{\text { n }}$
5. RECOMMENDED HAND CRIMP TOOL FOR INNER COAX CONTACT $=280-292$ WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET
6. INSTRUCTION SHEETS ARE AVAILABLE.

| MGP | 10 | 13.08 .18 | 21390 |
| :--- | :--- | :--- | :--- |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: | MGP |  |  |
| CHECKED: |  |  |  |
| DRM |  |  |  |
| DRAWN: | S.FLOWER |  |  |
| CUSTOMER REF.: |  |  |  |


SEe above

| IITLE: DATAMATE MIX-TEKMALE ASSY WITHHORIZONTAL BOARDMOUNT J/SCREW |  |
| :---: | :---: |
| dRAWING NUMBER: | SHT |
| M80-5000000M5-XX-XXX-00-000 |  |

$$
\begin{aligned}
& \begin{array}{l}
\text { ORDER COOE: (COAX CRIMP /SOLDER CONTACTS) } \\
\text { M80-5000000M5-XX-XXX-00-000 }
\end{array} \\
& { }^{\text {Total }}
\end{aligned}
$$

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