Customer Information DRAWING No.: M80-4T1120500-01-301-01-301 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: MATERIAL: 30.0 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK 25.00 SIGNAL CONTACT: CLIP = BERYLLIUM COPPER 5.20 SHELL = COPPER ALLOY 10.00 3.00 MAXCOAX CONTACT: TYP 2.00 TYP BODY = COPPER ALLOY INNER CONTACT = BERYLLIUM COPPER INSULATOR = PTFE FINISH: SIGNAL CONTACT: 5.55 CLIP = 0.3 µ GOLD MAXSHELL = 0.25-0.3µ GOLD COAX CONTACT: BODY, INNER CONTACT = GOLD ELECTRICAL: WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC -CONTACT No. I INSULATION RESISTANCE = $100M\Omega$ MIN \leftarrow χ SECTION X-X SIGNAL CONTACT: CURRENT RATING AT 25°C = 3.0A MAX CURRENT RATING AT 85°C = 2.2A MAX CONTACT RESISTANCE = $25m\Omega$ MAX COAX CONTACT: FREQUENCY RANGE = 6GHz IMPEDANCE = 50Ω $V.S.W.R = 1.05 + (0.04 \times FREQUENCY)$ GHz MAX CONTACT RESISTANCE $6m\Omega$ MAX INSULATION RESISTANCE = $10^{6} \text{M}\Omega$ @250V AC (3.0)OPERATING VOLTAGE = 180V AC @ 500mA MAXIMUM VOLTAGE = 1000V AC MECHANICAL: DURABILITY = 500 OPERATIONS Ø 0.40 TYP Ø 0.50 TYP (2.00)SIGNAL CONTACT: INSERTION FORCE = 2.0N MAX WITHDRAWAL FORCE = 0.2N MIN 0.35 SQUARE TYP COAX CONTACT INSERTION FORCE = 8N MAX WITHDRAWAL FORCE = 0.5N MIN **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C PACKING: 2.00 FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE) 10.00 2 08.09.17 13269 2.00 --3.00 TYP - 1.00 NAME ISS. DATE C/NOTI CROSS-SECTION APPROVED: F. MCGOWAN OF COAX CONTACT -BODY M. PLESTED CHECKED: DRAWN: M.G.PLESTED CUSTOMER REF.: 6 X Ø 0.65±0.05 $12 \times \emptyset 0.70 \pm 0.05$ ─ 1.00 TYP -2.00 TYP ASSEMBLY DRG: RECOMMENDED PCB LAYOUT THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE COMFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TOLERANCES MATERIAL: JACKSCREW DATAMATE X. = ±1mm MIXED TECHNOLOGY VERTICAL SEE ABOVE INSULATOR -INNER CONTACT $X.X = \pm 0.50 mr$ PC TAIL FEMALE ASSEMBLY X.XX = ±0.10mm X.XXX = ±0.01mm DRAWING NUMBER: FINISH: SEE ABOVE www.harwin.com TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION. M80-4T1120500-01-301-01-301 technical@harwin.com S/AREA: mm² UNLESS STATED