Customer Information DRAWING No.: M80-4C10605F1-04-325-00-000 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-0, BLACK SIGNAL CONTACT: CLIP = BERYLLIUM COPPER SHELL = BRASS POWER CONTACT: BODY = COPPER ALLOY -4.50-7.55 MAX LATCHING COLLAR = BERYLLIUM COPPER JACKSCREW, CIRCLIP: STAINLESS STEEL FINISH: SIGNAL CONTACT: CLIP = 0.3µ GOLD SHELL = 0.25-0.3µ GOLD 5.55 POWER CONTACT: MAX BODY = GOLDLATCHING COLLAR = NICKEL ELECTRICAL: WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN 2.00 --4.00 — -CONTACT No. 1 SIGNAL CONTACT: TYP 2 x M2x0.4 CURRENT RATING AT 25°C = 3.0A MAX CURRENT RATING AT 85°C = 2.2A MAX 2.00 CONTACT RESISTANCE = 25 m Ω MAX POWER CONTACT: CONTACT RESISTANCE = 6 m Ω MAX CURRENT RATING = 20A MAX WITH 12AWG CONTACT AS SPECIFIED (5.5) MECHANICAL: DURABILITY = 500 OPERATIONS SIGNAL CONTACT: INSERTION FORCE = 2.8N MAX WITHDRAWAL FORCE = 0.2N MIN (12.7)POWER CONTACT: INSERTION FORCE = 8N MAX (3.0)WITHDRAWAL FORCE = 0.5N MIN **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C PACKING: BAG SECTION X-X FOR COMPLETE SPECIFICATION SEE COMPONENT -2 x 3.0 A/F HEX SPECIFICATION COO5XX (LATEST ISSUE) CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. 2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005. MGP 2 10.01.13 11898 3. RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = ØI.IOmm. STRIP WIRE BY 2.00MM FOR CRIMPING. NAME ISS DATE C/NOT 4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH APPROVED: MGP POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CHECKED: SF CRIMPING INSTRUCTIONS. 5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING R.ADDE INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS. CUSTOMER REF.: FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325. POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM. 8. POWER CONTACT EXTRACTION TOOL = Z80-290. ASSEMBLY DRG: 9. INSTRUCTION SHEETS ARE AVAILABLE. MATERIAL: TITLE: DATAMATE MIX-TEK X. = ±1mm FEMALE ASSEMBLY SEE ABOVE $X.X = \pm 0.25 mr$ WITH JACKSCREW $X.XX = \pm 0.10$ mm

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OR USED FOR MANUFACTURING, $X.XXX = \pm 0.01$ mm FINISH: SEE ABOVE www.harwin.com TENDERING OR FOR ANY
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THEIR WRITTEN PERMISSION. ANGLES = ±5° M80-4C10605F1-04-325-00-000 COF, technical@harwin.com S/AREA: UNLESS STATED