**Customer Information Sheet**

**ORDER CODE:**
M80-510XXXX

**No. OF CONTACTS:**
04 TO 50 (EVEN NUMBERS ONLY)

**FINISH:**
22 - SELECTIVE GOLD + TIN/LEAD
42 - SELECTIVE GOLD + 100% TIN

**DIMENSIONS:**

- **DIM ‘C’**
  - 0.50

- **DIM ‘B’**
  - 5.55 MAX

- **DIM ‘A’**
  - 2 x M2 x 0.4 - 6H

**PART SECTION Y-Y**

- **Ø0.49 TYP**

- **2 x M2 x 0.4**

- **2.00 TYP**

**SECTION X-X**

- **3.00 MAX**

- **5.60 MAX**

- **(3.3) MAX**

**DIM ‘B’**

- **3.00**

**DIM ‘A’**

- **1.00**

**RECOMMENDED PCB LAYOUT**

- **2.00 TYP**

- **Ø0.65 MIN TYP**

- **2 x Ø2.20 MIN**

**DIMENSION**

- **DIM ‘A’**
  - TOTAL NO. OF CONTACTS - 2

- **DIM ‘B’**
  - TOTAL NO. OF CONTACTS + 5

- **DIM ‘C’**
  - TOTAL NO. OF CONTACTS + 10

**EXAMPLE:** CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT AREA AND 100% TIN ON TAIL, M80-5102042

**DIM ‘A’**
- 18.00mm

**DIM ‘B’**
- 25.00mm

**DIM ‘C’**
- 30.00mm

**SPECIFICATIONS:**

- **MATERIAL:**
  - MOULDING: GLASS-FILLED PPS, UL94V-0, BLACK
  - CONTACT: PHOSPHOR BRONZE
  - JACKSCREW: STAINLESS STEEL

- **FINISH (CONTACTS):**
  - 22 = 0.15µGOLD ON CONTACT AREA, 3µ 90/10 TIN/LEAD ON TAILS
  - 42 = 0.15µGOLD ON CONTACT AREA, 3µ 100 TIN ON TAILS

- **ELECTRICAL:**
  - CURRENT RATING AT 25°C = 3.0A MAX
  - CURRENT RATING AT 85°C = 2.2A MAX
  - WORKING VOLTAGE = 120V AC/DC
  - VOLTAGE PROOF = 300V AC/DC
  - CONTACT RESISTANCE = 25 µΩ MAX
  - INSULATION RESISTANCE = 100 MΩ MIN

- **MECHANICAL:**
  - DURABILITY = 500 OPERATIONS

- **ENVIRONMENTAL:**
  - TEMPERATURE RANGE = -55°C TO +125°C
  - PACKING: TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

**TITLE:** JACKSCREW DATAMATE DIL VERTICAL PC TAIL MALE ASSEMBLY (BOARD MOUNT)

**DRAWING NUMBER:** M80-510XXXX

**SHEET 2 OF 2**