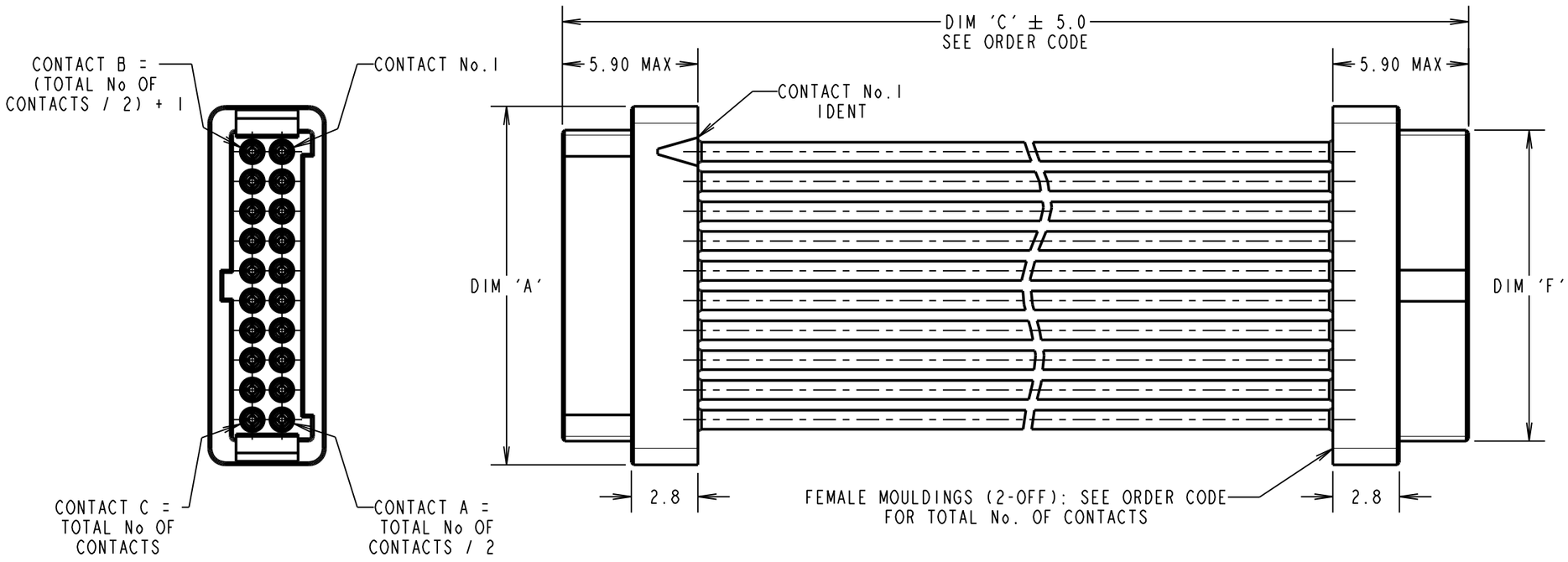
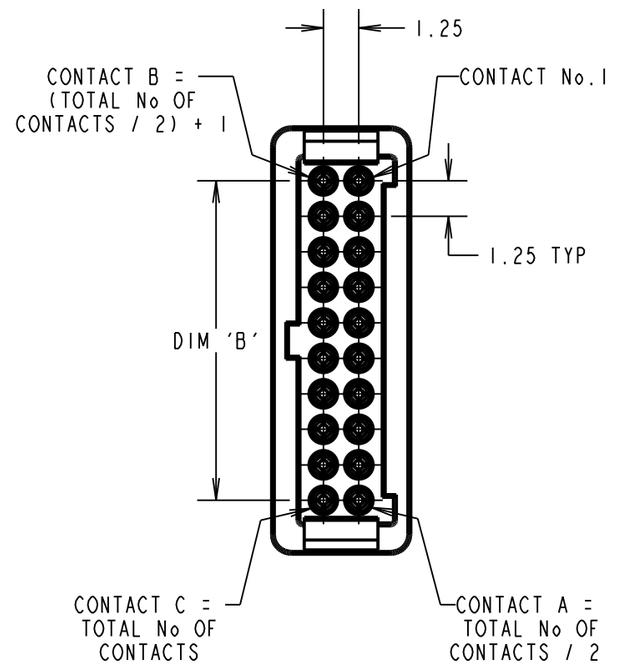
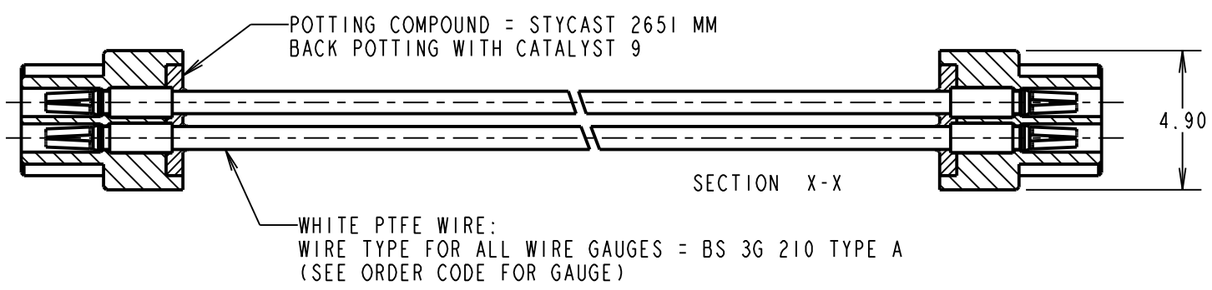
# Customer Information Sheet

| DRAWING No.: G125-FCXXX05L0-XXXXF | IF IN DOUBT - ASK | © | NOT TO SCALE | THIRD ANGLE PROJECTION | ALL DIMENSIONS IN mm |
|---|---|---|---|---|---|




PATENT GRANTED - US 13/848813
PATENT PENDING - GB 1205109.0
PATENT PENDING - EP 13159969.8

| | |
|---|---|
| DIM 'A' | (TOTAL No. OF CONTACTS - 2) x 0.625 + 3.80 |
| DIM 'B' | (TOTAL No. OF CONTACTS - 2) x 0.625 |
| DIM 'F' | (TOTAL No. OF CONTACTS - 2) x 0.625 + 1.80 |

**ORDER CODE:**

**G125-FCXXX05L0-XXXXF**

- 26 AWG = 1
- 28 AWG = 2
- 30 AWG = 3
- 32 AWG = 4

TOTAL No. OF CONTACTS: 06, 10, 12, 16, 20, 26, 34, 50

DIM 'C' LENGTH: 0150 = 150mm, 0300 = 300mm

NOTES:
1. WIRING OF CABLES:
   CONTACT 1 TO CONTACT 1, CONTACT 2 TO CONTACT 2,
   CONTACT 3 TO CONTACT 3... CONTACT A TO CONTACT A...
   CONTACT B TO CONTACT B... CONTACT C TO CONTACT C.
2. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.

| MSP | 3 | 18.08.15 | 13051 |
|---|---|---|---|
| NAME | ISS. | DATE | C/NOTE |

| | |
|---|---|
| APPROVED: | M.PERREN |
| CHECKED: | S.BENNETT |
| DRAWN: | S.FLOWER |
| CUSTOMER REF.: | |
| ASSEMBLY DRG: | |

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL: SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA: mm²

TITLE: G125 SERIES FEMALE CRIMP TO FEMALE CRIMP CABLE ASSY

DRAWING NUMBER: G125-FCXXX05L0-XXXXF

SHT 2 OF 3

# Customer Information Sheet

| DRAWING No.: G125-SERIES COMPONENT SPECIFICATION | IF IN DOUBT - ASK | © | NOT TO SCALE | THIRD ANGLE PROJECTION | ALL DIMENSIONS IN mm |
|---|---|---|---|---|---|

SPECIFICATIONS:

MATERIALS:
MOULDING, PICK & PLACE CAP:
POLYAMIDE, PA4T-GF30 FR(40) UL94V-0,
HALOGEN FREE, FREE OF RED PHOSPHORUS

CONTACTS:
MALE PC-TAIL/SMT = PHOSPHOR BRONZE
MALE CRIMP = BRASS
ALL FEMALE CONTACTS = COPPER ALLOY

LATCHES:
COPPER NICKEL TIN ALLOY

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):
STYCAST 2651 MM BACK POTTING WITH CATALYST 9

FINISH:
ALL CONTACTS:
0.2-0.3µ GOLD OVER NICKEL
LATCHES:
3.0µ 100% TIN OVER NICKEL

MECHANICAL:
DURABILITY = 1000 OPERATIONS
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

ENVIRONMENTAL:
CLASSIFICATION: 65/150/96 HOURS AT 95% RH

TEMPERATURE RANGE:
EIA-364-32 : 2000 TEST CONDITION IV, DWELL
30mins, 5 CYCLES -65°C TO +150°C

* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5MM, 198 mm/s² (20G). DURATION 2Hr

* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s²
(100G) FOR 6ms IN Z AXIS, 490 mm/s² (50G) FOR 11m/s IN X&Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)
* BUMP SEVERITY: 390 mm/s² (40G), 4000± 10 BUMPS
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:
CURRENT RATING:
EIA-364-70A : 1998: INDIVIDUAL CONTACT IN ISOLATION AT 25°C = 2.8A MAX
EIA-364-70A : 1998: ALL CONTACTS SIMULTANEOUSLY AT 25°C = 2.0A MAX

CONTACT RESISTANCE:
EIA-364-06C : 2006: INITIAL CONTACT RESISTANCE = 20mΩ MAX
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ MAX

WORKING VOLTAGE:
EIA-364-20C : 2004: SEA LEVEL (1006mbar) = 450V AC/DC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar) = 250V AC/DC PEAK

VOLTAGE PROOF AT SEA LEVEL (1013mbar) = 600V AC/DC PEAK

INSULATION RESISTANCE:
EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL) = 10 GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING = >1 GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

gecko

PATENT PENDING - UK 1205109.0

| SF | 11.01.13 | 11910 |
|---|---|---|
| NAME | DATE | C/NOTE |
| APPROVED: | S.FLOWER | |
| CHECKED: | S.BENNETT | |
| DRAWN: | S.FLOWER | |

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TOLERANCES UNLESS STATED
X = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

TITLE: G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER: G125-SERIES CONNECTORS