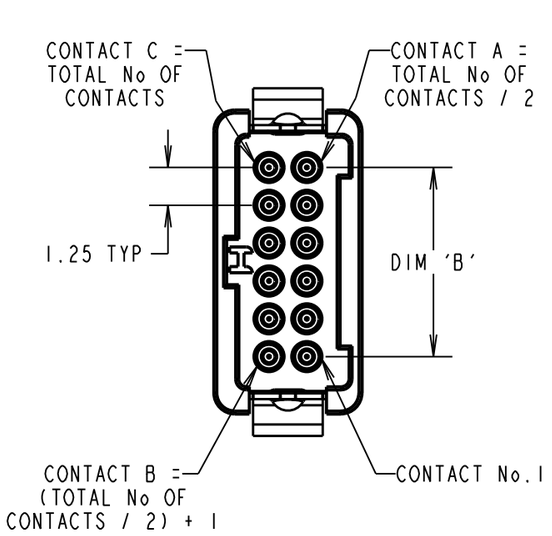
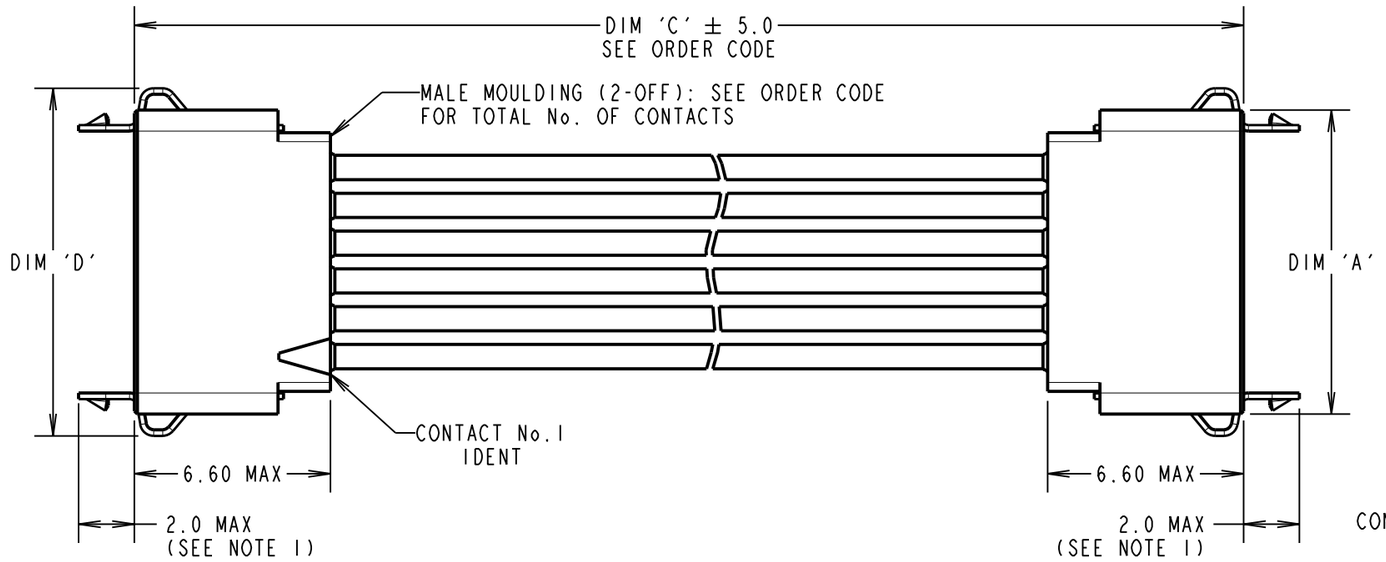
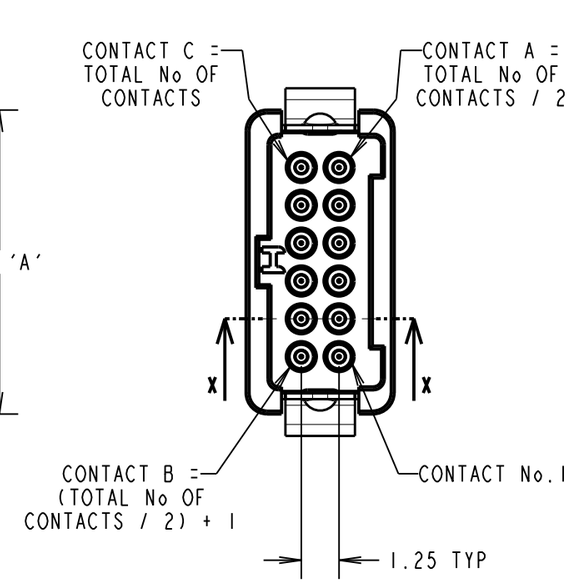
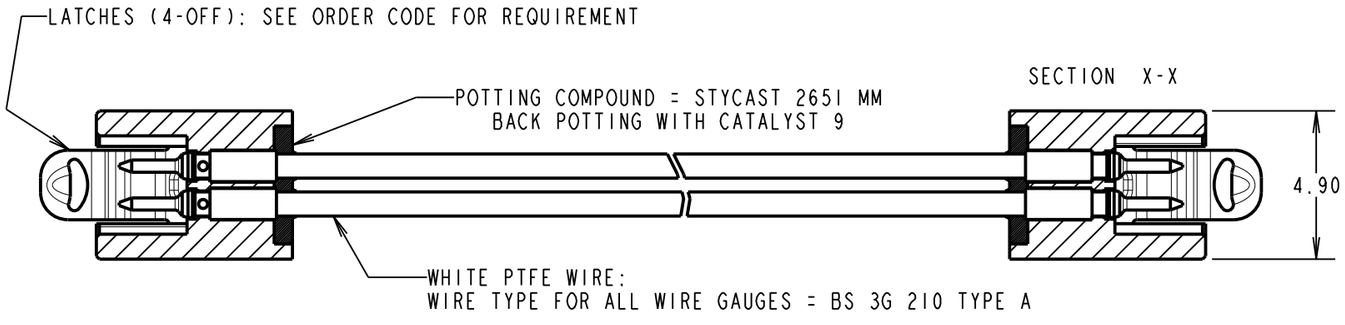
Customer Information Sheet

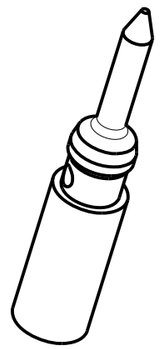
DRAWING No.: G125-MCXXX05LX-XXXXM	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm











PATENT PENDING - UK 1205109.0

NOTES:
1. LATCHES ARE SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN THE ORDER CODE NO LATCHES WILL BE FITTED.
2. 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.
3. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.

DIM 'A'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 3.80
DIM 'B'	(TOTAL No. OF CONTACTS - 2) x 0.625
DIM 'D'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 4.8

G125-MCXXX05LX-XXXXM

- TOTAL No. OF CONTACTS: 06, 10, 12, 16, 20, 26, 34, 50
- 26 AWG = 1; 28 AWG = 2; 30 AWG = 3; 32 AWG = 4
- DIM 'C' LENGTH: 0150 = 150mm; 0300 = 300mm
- LATCHES: L0 = NO LATCHES; L4 = LATCHES

SF	H	26.02.13	11945
NAME	ISS.	DATE	C/NOTE

APPROVED:	S.FLOWER
CHECKED:	M.PLESTED
DRAWN:	S.FLOWER
CUSTOMER REF.:	
ASSEMBLY DRG:	

HARWIN
www.harwin.com
technical@harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.25mm
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 MALE CRIMP TO MALE CRIMP CABLE ASSY

DRAWING NUMBER: G125-MCXXX05LX-XXXXM

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	

HARWIN

www.harwin.com
technical@harwin.com

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

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

TITLE: G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER: G125-SERIES CONNECTORS

SHT 3 OF 3

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

G125-MC11205L4-0150F G125-MC11205L4-0300F G125-MC11205L4-0300M G125-MC11205L4-0450L G125-MC11605L4-0150F G125-MC11605L4-0150L G125-MC11605L4-0300F G125-MC11605L4-0300M G125-MC11605L4-0450L G125-MC12005L4-0150F G125-MC12005L4-0150L G125-MC12005L4-0150M G125-MC12005L4-0300F G125-MC12005L4-0300M G125-MC12005L4-0450L G125-MC12605L4-0150F G125-MC12605L4-0150L G125-MC12605L4-0150M G125-MC12605L4-0300F G125-MC12605L4-0300M G125-MC12605L4-0450L G125-MC21205L4-0150F G125-MC21205L4-0150L G125-MC21205L4-0150M G125-MC21205L4-0300F G125-MC21205L4-0300M G125-MC21205L4-0450L G125-MC21605L4-0150F G125-MC21605L4-0150L G125-MC21605L4-0150M G125-MC21605L4-0300F G125-MC21605L4-0300M G125-MC21605L4-0450L G125-MC22005L4-0150F G125-MC22005L4-0150L G125-MC22005L4-0150M G125-MC22005L4-0300F G125-MC22005L4-0300M G125-MC22005L4-0450L G125-MC22605L4-0150F G125-MC22605L4-0150L G125-MC22605L4-0150M G125-MC22605L4-0300F G125-MC22605L4-0300M G125-MC22605L4-0450L G125-MC31205L4-0150F G125-MC31205L4-0150L G125-MC31205L4-0150M G125-MC31205L4-0300F G125-MC31205L4-0300M G125-MC31205L4-0450L G125-MC31605L4-0150F G125-MC31605L4-0150L G125-MC31605L4-0150M G125-MC31605L4-0300F G125-MC31605L4-0300M G125-MC31605L4-0450L G125-MC32005L4-0150F G125-MC32005L4-0150L G125-MC32005L4-0150M G125-MC32005L4-0300F G125-MC32005L4-0300M G125-MC32005L4-0450L G125-MC32605L4-0150F G125-MC32605L4-0150L G125-MC32605L4-0150M G125-MC32605L4-0300F G125-MC32605L4-0300M G125-MC32605L4-0450L G125-MC41205L4-0150F G125-MC41205L4-0150L G125-MC41205L4-0150M G125-MC41205L4-0300F G125-MC41205L4-0300M G125-MC41205L4-0450L G125-MC41605L4-0150F G125-MC41605L4-0150L G125-MC41605L4-0150M G125-MC41605L4-0300F G125-MC41605L4-0300M G125-MC41605L4-0450L G125-MC42005L4-0150F G125-MC42005L4-0150L G125-MC42005L4-0150M G125-MC42005L4-0300F G125-MC42005L4-0300M G125-MC42005L4-0450L G125-MC42605L4-0150F G125-MC42605L4-0150L G125-MC42605L4-0150M G125-MC42605L4-0300F G125-MC42605L4-0300M G125-MC42605L4-0450L G125-MC11605L4-0150M G125-MC11205L4-0150M