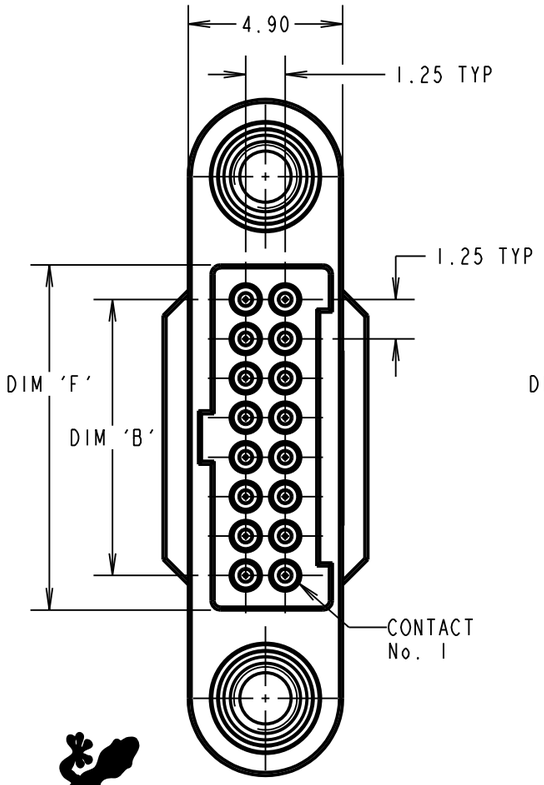
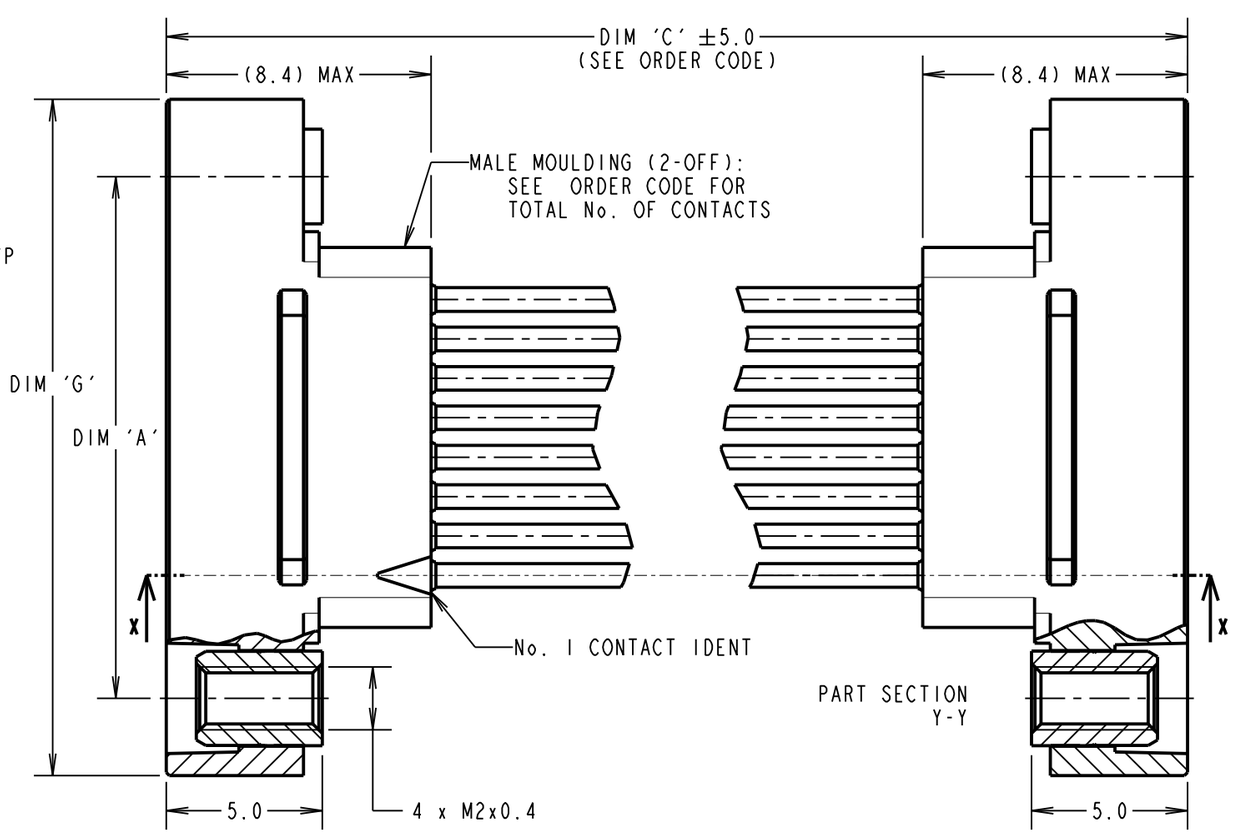
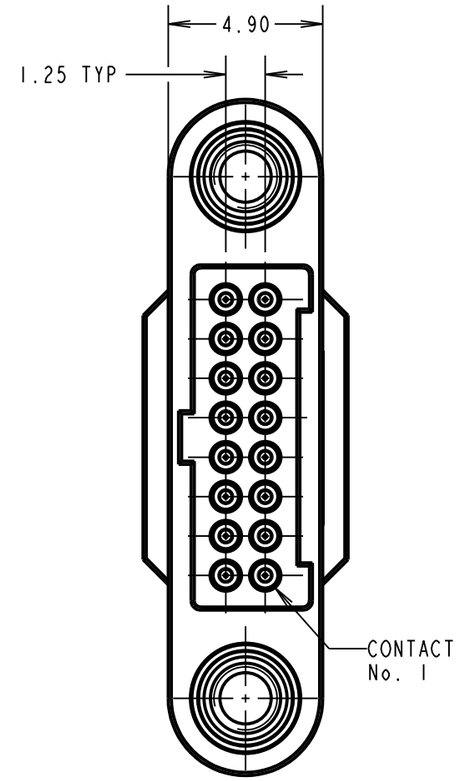
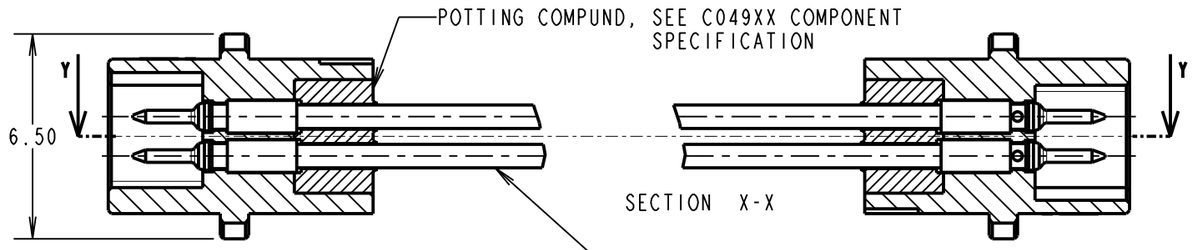
Customer Information Sheet

DRAWING No.: G125-MCXXX05MI-XXXXMI	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm









PATENTED TECHNOLOGY

NOTES:
1. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.
2. CUSTOM LENGTH CABLE ASSEMBLIES CAN BE PRODUCED FROM 60mm TO 9999mm. CONTACT OUR CABLE TEAM ON CABLES@HARWIN.COM.
3. FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATIONS C049XX AND C125XX (LATEST ISSUES).
4. WIRING OF CONNECTOR:
   CONTACT 1 TO CONTACT 1,
   CONTACT 2 TO CONTACT 2, ETC.

WHITE PTFE WIRE:
SEE C049XX COMPONENT SPECIFICATION FOR WIRE TYPE
SEE ORDER CODE FOR GAUGE

DIMENSION	MEASUREMENT
DIM 'A'	(TOTAL No. OF CONTACTS - 2) x 0.625 +7.80
DIM 'B'	(TOTAL No. OF CONTACTS - 2) x 0.625±0.20
DIM 'F'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 2.00
DIM 'G'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 12.7

EXAMPLE PART No.
12 CONTACT CONNECTORS WITH 150mm OF 26AWG WIRE =
G125-MC11205MI-0150MI
50 CONTACT CONNECTORS WITH 450mm OF 28AWG WIRE =
G125-MC25005MI-0450MI

ORDER CODE:

G125-MCXXX05MI-XXXXMI

26 AWG = 1
28 AWG = 2

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

DIM 'C' LENGTH:
0060 = 60mm MIN
9999 = 9999mm MAX

STOCKED LENGTHS:
0150 = 150mm
0300 = 300mm

RTP	3	10.04.19	21781
NAME	ISS.	DATE	C/NOTE

APPROVED:	R.PORTLOCK
CHECKED:	S.BENNETT
DRAWN:	M.PERREN
CUSTOMER REF.:	
ASSEMBLY DRG:	

HARWIN
www.harwin.com
technical@harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: GECKO SL MALE TO MALE CABLE ASSEMBLY

DRAWING NUMBER: G125-MCXXX05MI-XXXXMI

SHT 3 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

LOCKING HARDWARE:
LATCHES: COPPER NICKEL TIN ALLOY
SCREW LOCK: STAINLESS STEEL

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: 65/150/56 DAYS AT 93% 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 DC/AC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar) = 250V DC/AC PEAK

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

PATENT PENDING
UK 1205109.0

MGP	4	22.06.17	20668
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP
CHECKED: SB
DRAWN: S.FLOWER
CUSTOMER REF.:
ASSEMBLY DRG:

HARWIN
www.harwin.com
technical@harwin.com

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

MATERIAL: SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: G125 SERIES COMPONENT SPECIFICATION
DRAWING NUMBER: G125-SERIES CONNECTORS
SHT 1 OF 1

Mouser Electronics

Authorized Distributor

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

Harwin:

G125-MC10605M1-0150M1 G125-MC10605M1-0300M1 G125-MC11005M1-0150M1 G125-MC11005M1-0300M1 G125-MC11205M1-0150M1 G125-MC11205M1-0300M1 G125-MC13405M1-0150M1 G125-MC13405M1-0300M1 G125-MC15005M1-0150M1 G125-MC15005M1-0300M1 G125-MC11605M1-0150M1 G125-MC11605M1-0300M1 G125-MC12005M1-0150M1 G125-MC12005M1-0300M1 G125-MC12605M1-0150M1 G125-MC12605M1-0300M1