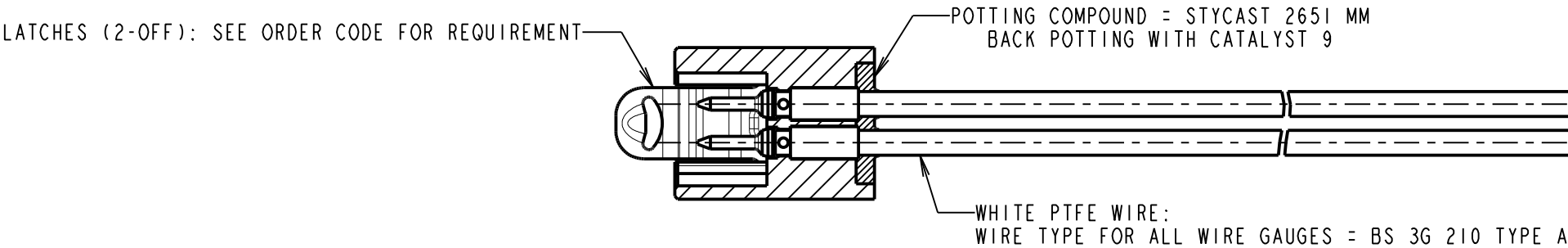
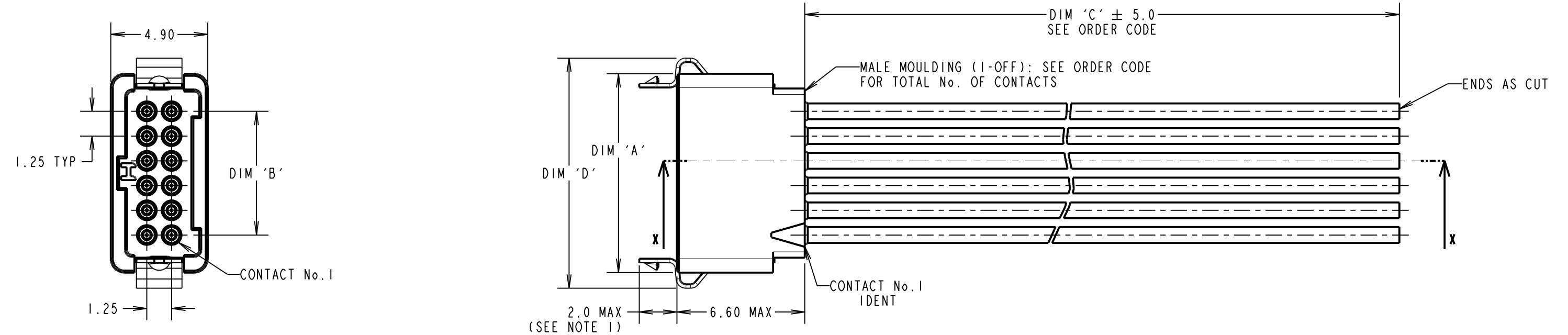


Customer Information Sheet

DRAWING No.: G125-MCXXX05LX-XXXXL IF IN DOUBT - ASK (C) 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 'D'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 5.2

G125-MCXXX05LX-XXXXL	
26 AWG = 1	DIM 'C' LENGTH: 0150 = 150mm 0450 = 450mm
28 AWG = 2	
30 AWG = 3	
32 AWG = 4	
TOTAL No. OF CONTACTS: 06, 10, 12, 16, 20, 26, 34, 50	
LATCHES: L0 = NO LATCHES L4 = LATCHES	

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

HARWIN
www.harwin.com
technical@harwin.com

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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 MALE CRIMP CONNECTOR WITH PIGTAIL
DRAWING NUMBER:
G125-MCXXX05LX-XXXXL

MSP	I	10.08.15	12778
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		S.BENNETT	
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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:
0.2-0.3 μ GOLD OVER NICKEL
LATCHES:
3.0 μ 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 11ms IN X&Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)

* BUMP SEVERITY: 390 mm/s² (40G), 4000 $\pm$ 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 = 20m Ω MAX

EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25m Ω 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 G Ω MIN AT 500V DC

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

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).



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

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TOLERANCES

X = $\pm$ 1mm
X.X = $\pm$ 0.25mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mm
ANGLES = $\pm$ 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-MC10605L4-0150F	G125-MC10605L4-0150M	G125-MC10605L4-0300F	G125-MC10605L4-0300M	G125-
MC11005L4-0150F	G125-MC11005L4-0150L	G125-MC11005L4-0150M	G125-MC11005L4-0300F	G125-
MC11005L4-0300M	G125-MC11005L4-0450L	G125-MC13405L4-0150F	G125-MC13405L4-0150L	G125-
MC13405L4-0150M	G125-MC13405L4-0300F	G125-MC13405L4-0300M	G125-MC13405L4-0450L	G125-
MC15005L4-0150F	G125-MC15005L4-0150L	G125-MC15005L4-0150M	G125-MC15005L4-0300F	G125-
MC15005L4-0300M	G125-MC15005L4-0450L	G125-MC20605L4-0150F	G125-MC20605L4-0150L	G125-
MC20605L4-0150M	G125-MC20605L4-0300F	G125-MC20605L4-0300M	G125-MC20605L4-0450L	G125-
MC21005L4-0150F	G125-MC21005L4-0150L	G125-MC21005L4-0150M	G125-MC21005L4-0300F	G125-
MC21005L4-0300M	G125-MC21005L4-0450L	G125-MC23405L4-0150F	G125-MC23405L4-0150L	G125-
MC23405L4-0150M	G125-MC23405L4-0300F	G125-MC23405L4-0300M	G125-MC23405L4-0450L	G125-
MC25005L4-0150F	G125-MC25005L4-0150L	G125-MC25005L4-0150M	G125-MC25005L4-0300F	G125-
MC25005L4-0300M	G125-MC25005L4-0450L	G125-MC30605L4-0150F	G125-MC30605L4-0150L	G125-
MC30605L4-0150M	G125-MC30605L4-0300F	G125-MC30605L4-0300M	G125-MC30605L4-0450L	G125-
MC31005L4-0150F	G125-MC31005L4-0150L	G125-MC31005L4-0150M	G125-MC31005L4-0300F	G125-
MC31005L4-0300M	G125-MC31005L4-0450L	G125-MC33405L4-0150F	G125-MC33405L4-0150L	G125-
MC33405L4-0150M	G125-MC33405L4-0300F	G125-MC33405L4-0300M	G125-MC33405L4-0450L	G125-
MC35005L4-0150F	G125-MC35005L4-0150L	G125-MC35005L4-0150M	G125-MC35005L4-0300F	G125-
MC35005L4-0300M	G125-MC35005L4-0450L	G125-MC40605L4-0150F	G125-MC40605L4-0150L	G125-
MC40605L4-0150M	G125-MC40605L4-0300F	G125-MC40605L4-0300M	G125-MC40605L4-0450L	G125-
MC41005L4-0150F	G125-MC41005L4-0150L	G125-MC41005L4-0150M	G125-MC41005L4-0300F	G125-
MC41005L4-0300M	G125-MC41005L4-0450L	G125-MC43405L4-0150F	G125-MC43405L4-0150L	G125-
MC43405L4-0150M	G125-MC43405L4-0300F	G125-MC43405L4-0300M	G125-MC43405L4-0450L	G125-
MC45005L4-0150F	G125-MC45005L4-0150L	G125-MC45005L4-0150M	G125-MC45005L4-0300F	G125-
MC45005L4-0300M	G125-MC45005L4-0450L	G125-MC10605L4-0150L		