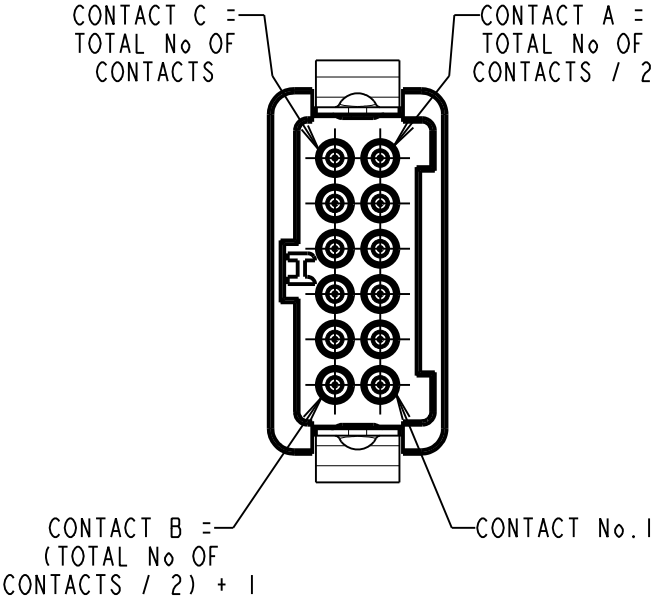
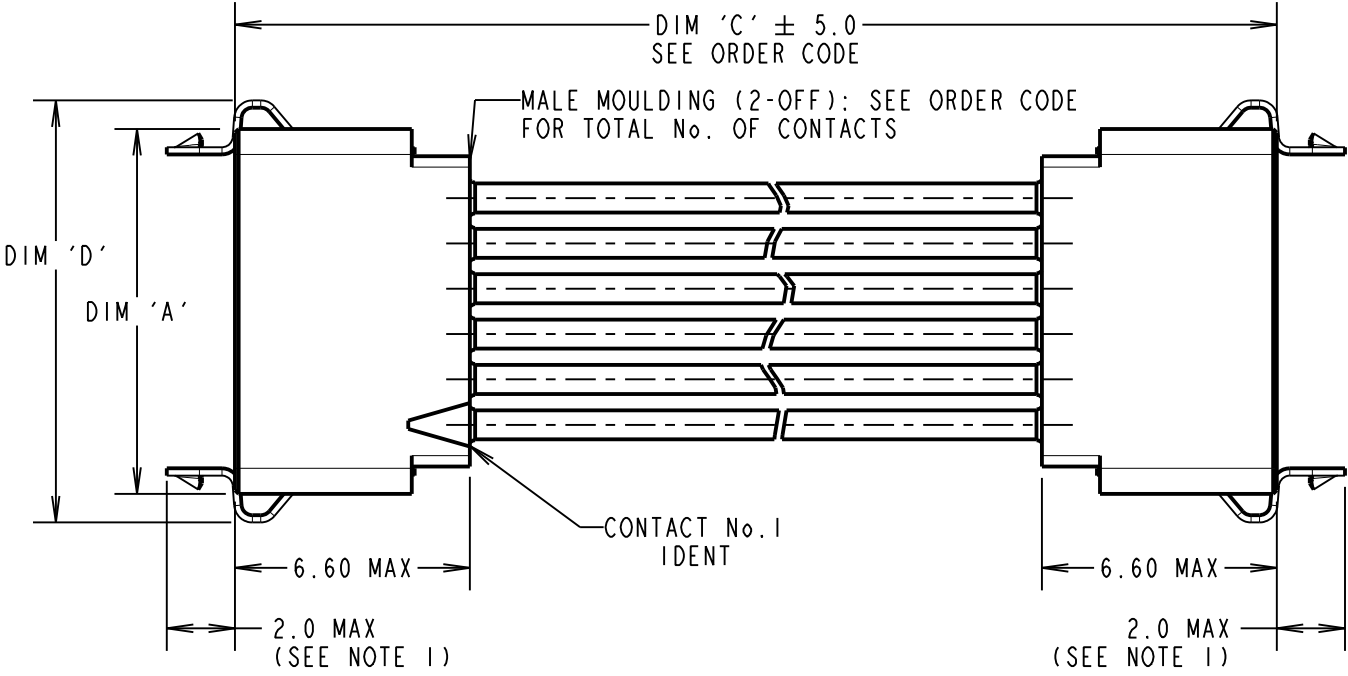
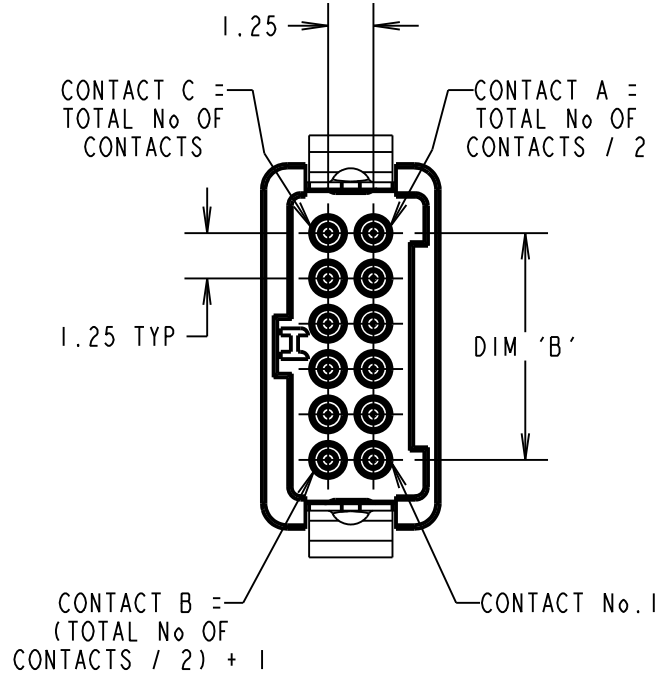
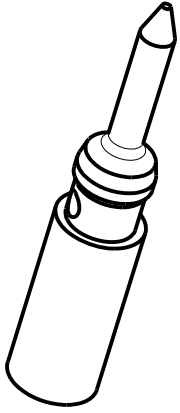
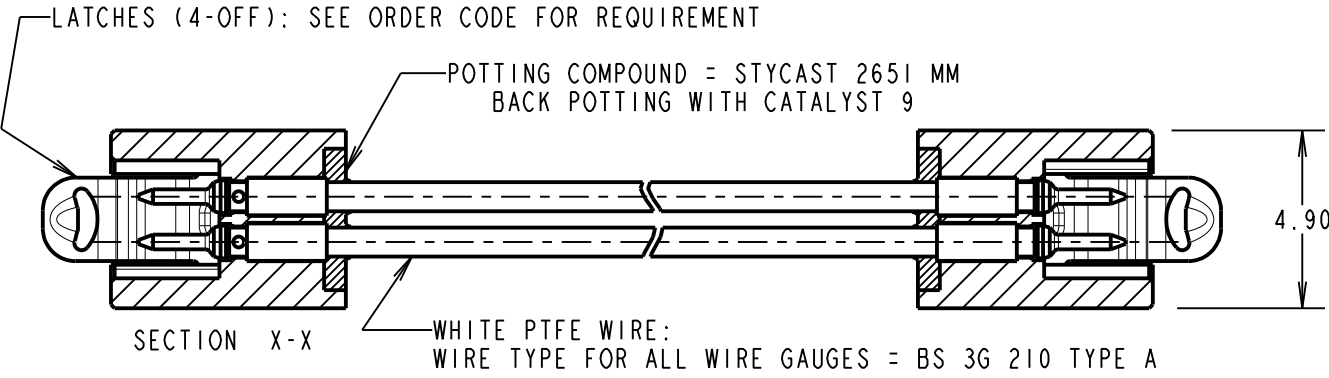


Customer Information Sheet

DRAWING No.: G125-MCXXX05LX-XXXXM 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



- NOTES:
- LATCHES ARE SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN THE ORDER CODE NO LATCHES WILL BE FITTED.
 - 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.
 - CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.
 - CUSTOM LENGTH CABLE ASSEMBLIES CAN BE PRODUCED FROM 60mm TO 9999mm. CONTACT OUR CABLE TEAM ON CABLES@HARWIN.COM.

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

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
SEE NOTE 4

LATCHES:
L0 = NO LATCHES
L4 = LATCHES

MGP	3	30.08.16	13389
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: MSP			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:
SEE SHEET 3
FINISH:
SEE SHEET 3
S/AREA:
mm ²

TITLE:
G125 SERIES MALE CRIMP TO MALE CRIMP CABLE ASSY
DRAWING NUMBER:
G125-MCXXX05LX-XXXXM
SHT 2 OF 3

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION

IF IN DOUBT - ASK

(C)

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:
0.2-0.3 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: 65/150/56 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 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 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 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



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

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X = \pm 1mm
X.X = \pm 0.50mm
X.XX = \pm 0.10mm
X.XXX = \pm 0.01mm
ANGLES = \pm 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