

Customer Information Sheet

DRAWING No.: G125-XWXXXXXX94

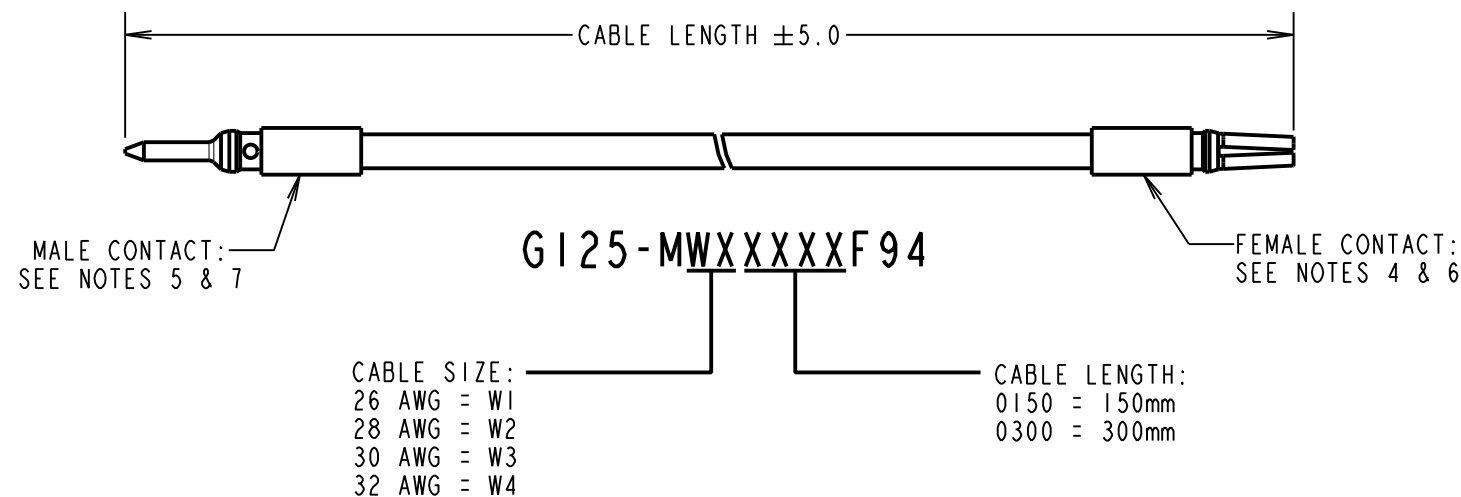
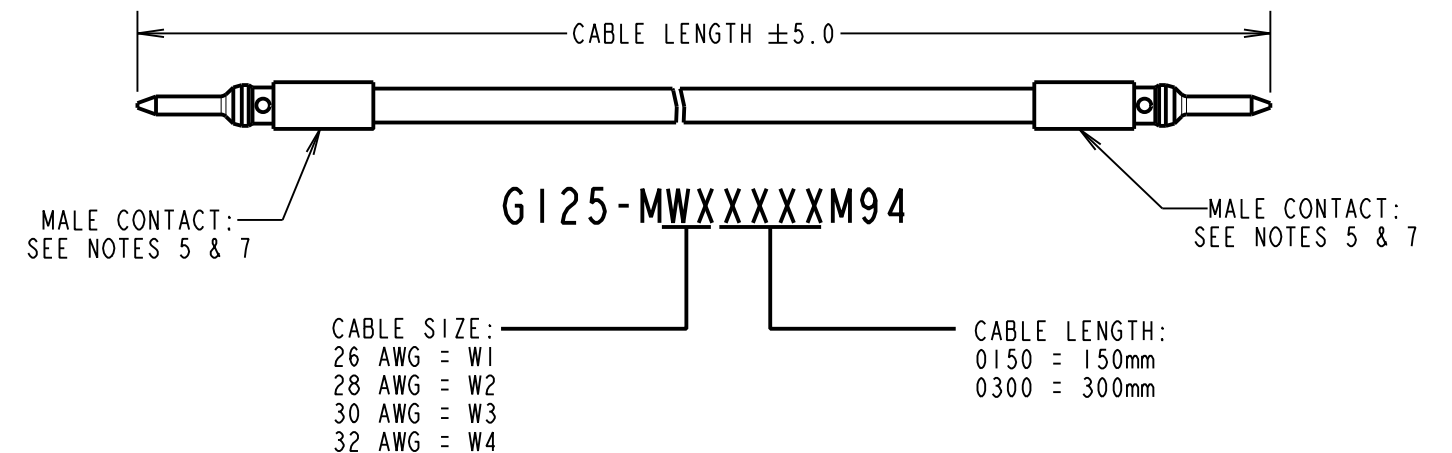
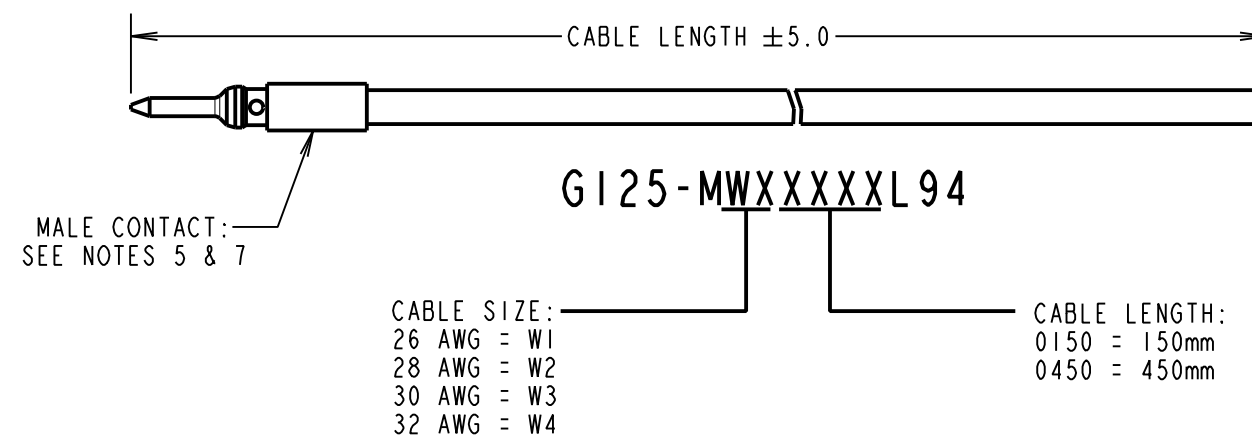
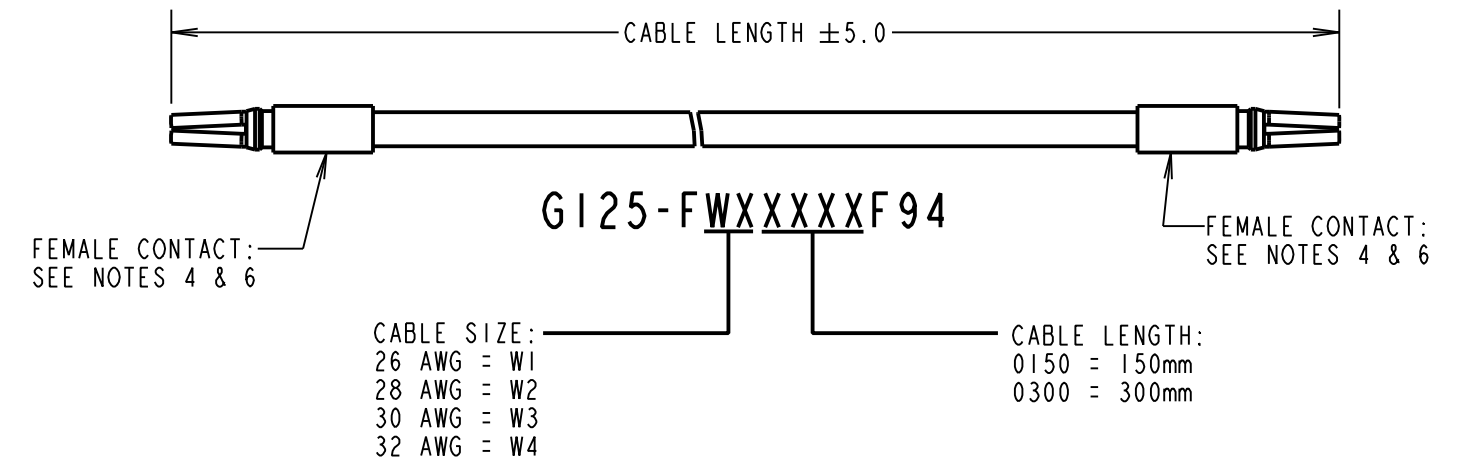
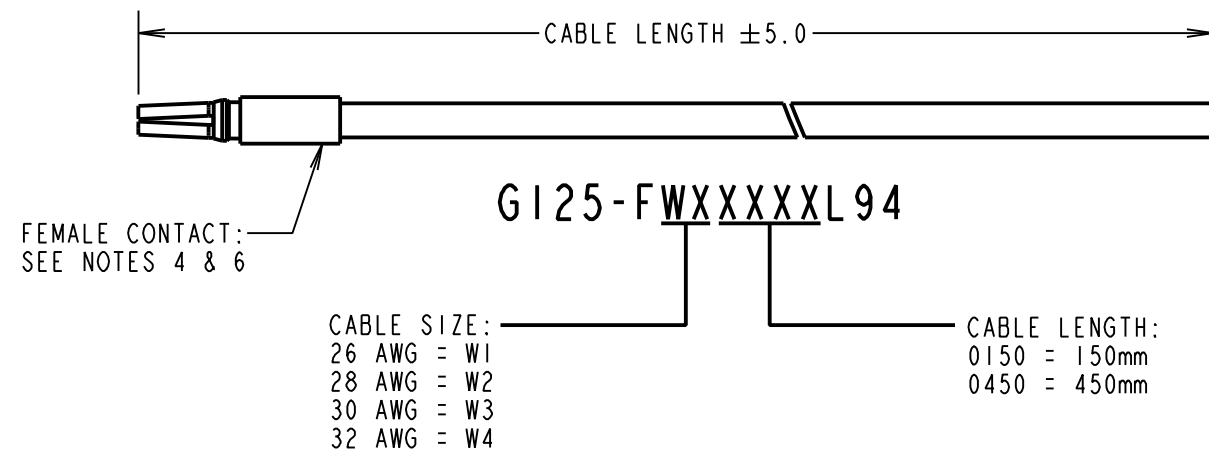
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:

1. PACK SIZE: 10 ASSEMBLIES PER BAG. BAG SIZE 280mm x 170mm WITH RESEALABLE TOP. BAGS ARE PACKED IN SUITABLE SIZED BOX.
2. CONTACT INSERTION / WITHDRAWAL KIT = Z125-902.
3. WHITE PTFE WIRE. WIRE TYPE FOR ALL WIRE GAUGES = BS 3G 210 TYPE A.
4. G125-0010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.80\text{mm}$.
5. G125-1010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.80\text{mm}$.
6. G125-0020005 IS SUITABLE FOR WIRE GAUGE 28-32 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.72\text{mm}$.
7. G125-1020005 IS SUITABLE FOR WIRE GAUGE 28-32 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.72\text{mm}$.
8. RECOMMENDED POTTING COMPOUND = STYCAST 2651 MM BACK POTTING + CATALYST 9.

SF	2	06.11.12	11860
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		M.PLESTED	
DRAWN:		S.BENNETT	
CUSTOMER REF.:			
ASSEMBLY DRG:			



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TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
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:

mm²

TITLE:

G125 SERIES
PRE-CRIMPED WIRE ASSEMBLIES

DRAWING NUMBER:

G125-XWXXXXXX94

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
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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

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 11ms 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).



PATENT PENDING - UK 1205109.0

SF	05.11.12	11860
NAME	DATE	C/NOTE
APPROVED:	S.FLOWER	
CHECKED:	M.PLESTED	
DRAWN:	S.FLOWER	

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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-MW20150M94](#) [G125-MW10450L94](#) [G125-FW40450L94](#) [G125-MW40150F94](#) [G125-MW30300F94](#) [G125-MW10150L94](#) [G125-MW40300F94](#) [G125-MW20450L94](#) [G125-FW20150F94](#) [G125-FW30150F94](#) [G125-MW10300M94](#) [G125-FW20450L94](#) [G125-MW30150M94](#) [G125-FW30450L94](#) [G125-MW30450L94](#) [G125-MW40150M94](#) [G125-FW10150F94](#) [G125-MW10150F94](#) [G125-MW30150L94](#) [G125-FW30300F94](#) [G125-FW10450L94](#) [G125-MW30300M94](#) [G125-MW20300F94](#) [G125-FW20300F94](#) [G125-FW40150L94](#) [G125-MW30150F94](#) [G125-FW30150L94](#) [G125-FW40300F94](#) [G125-FW10150L94](#) [G125-FW40150F94](#) [G125-MW10300F94](#) [G125-MW20150F94](#) [G125-MW40150L94](#) [G125-MW40300M94](#) [G125-FW20150L94](#) [G125-MW20150L94](#) [G125-MW20300M94](#) [G125-MW40450L94](#) [G125-MW10150M94](#) [G125-FW10300F94](#)