

Customer Information Sheet

DRAWING No.: G125-XWXXXXXX94

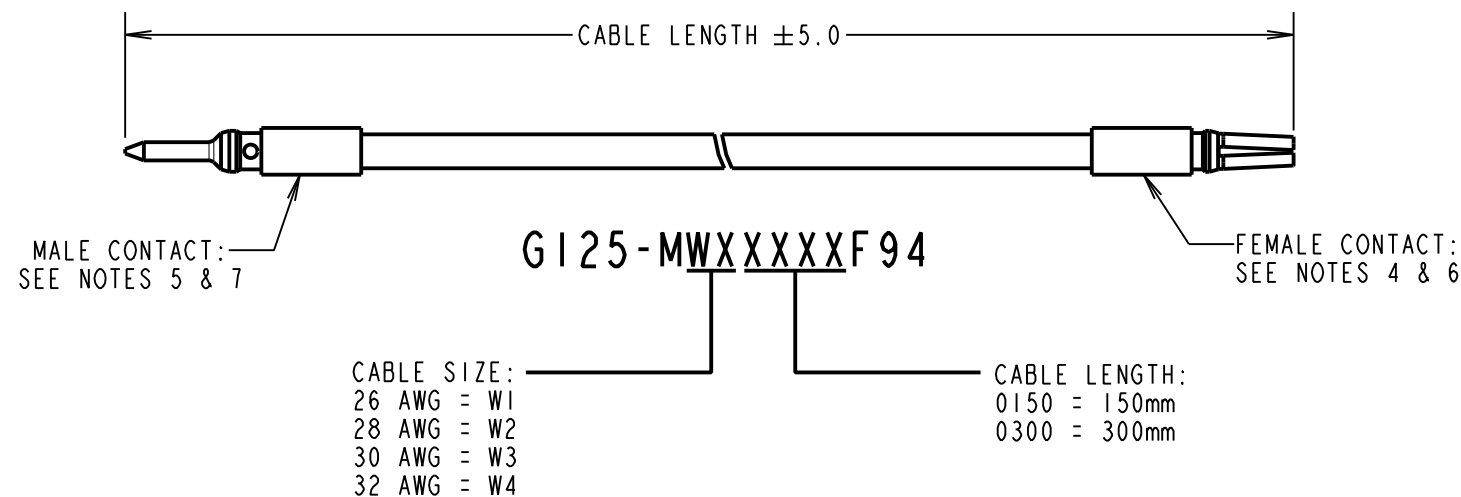
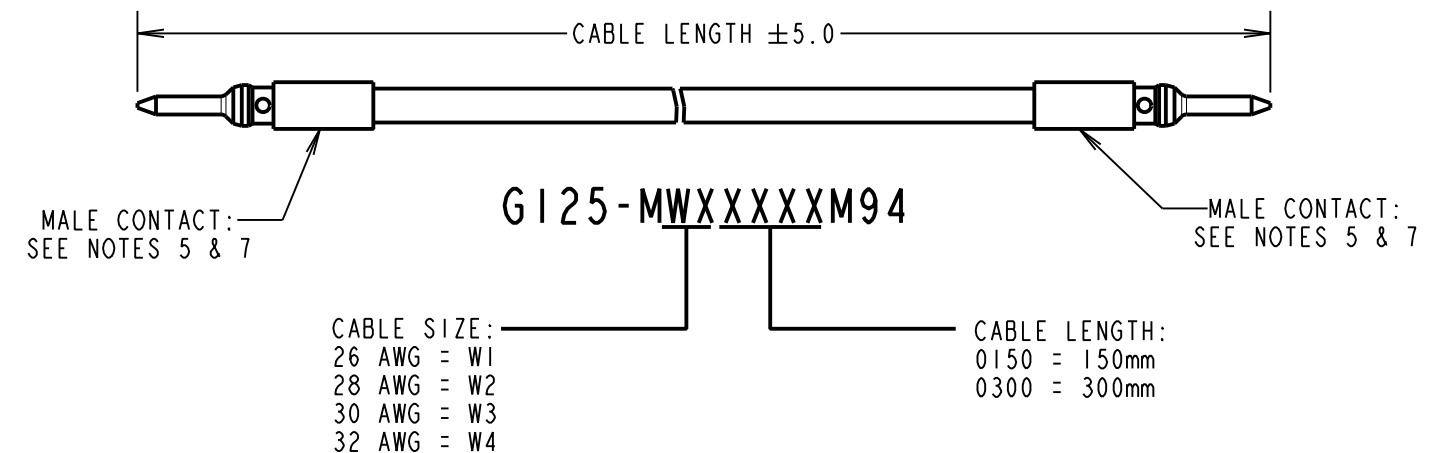
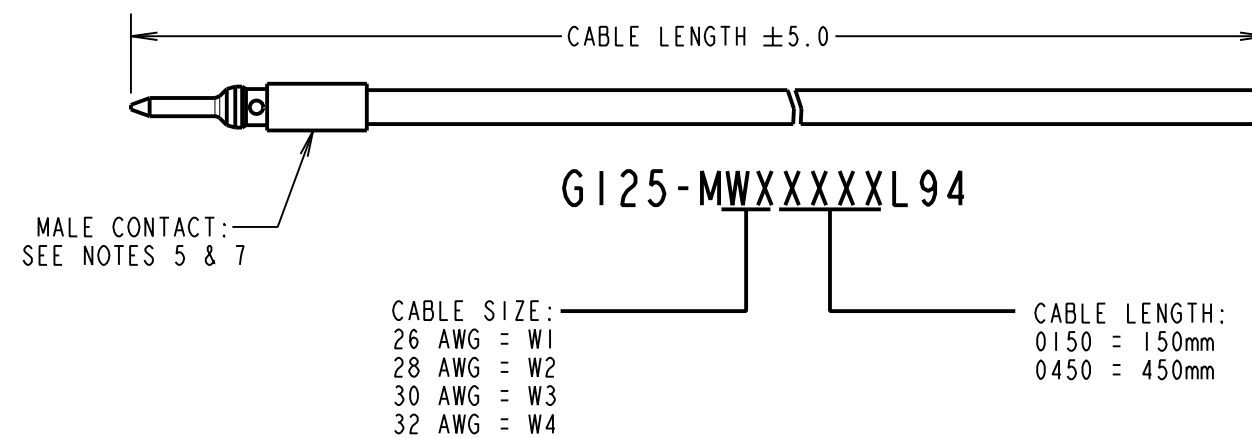
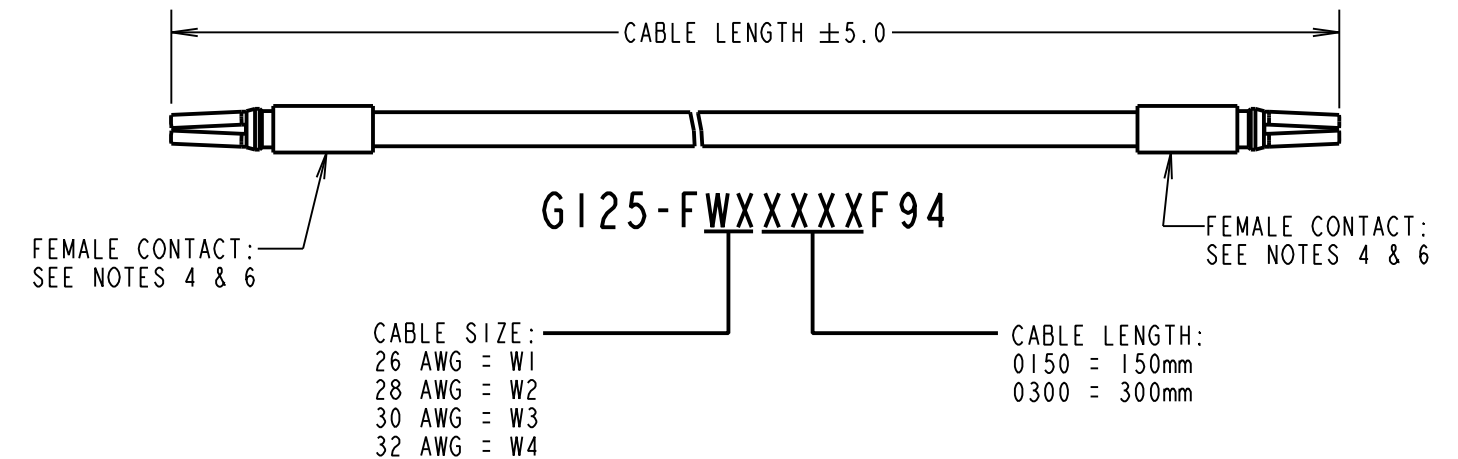
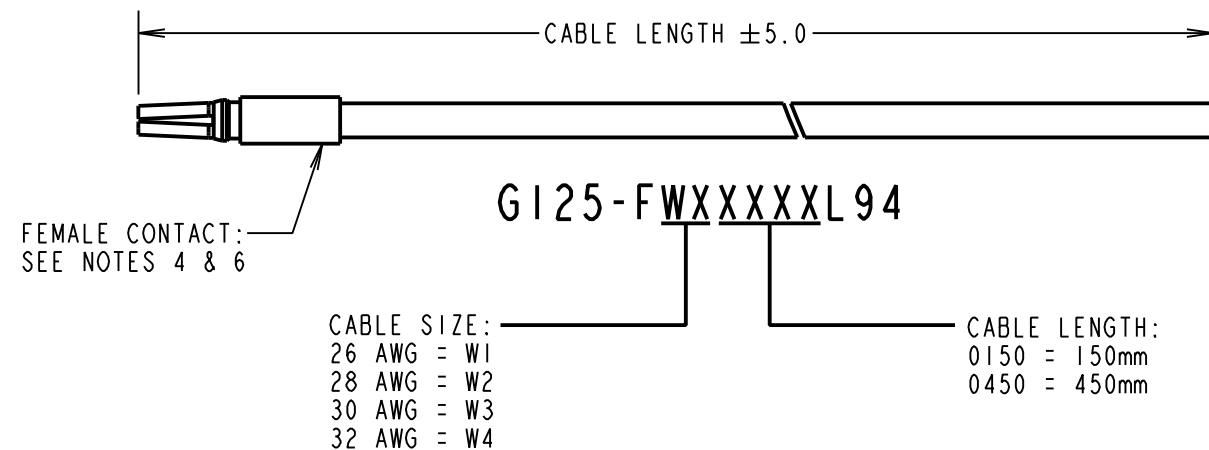
IF IN DOUBT - ASK

(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:			



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 = $\pm 0.25\text{mm}$
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
--	-------------------	-----	--------------	------------------------	----------------------

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	

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 = ±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](#)