

# Customer Information Sheet

DRAWING No.: G125-XWXXXXXX94

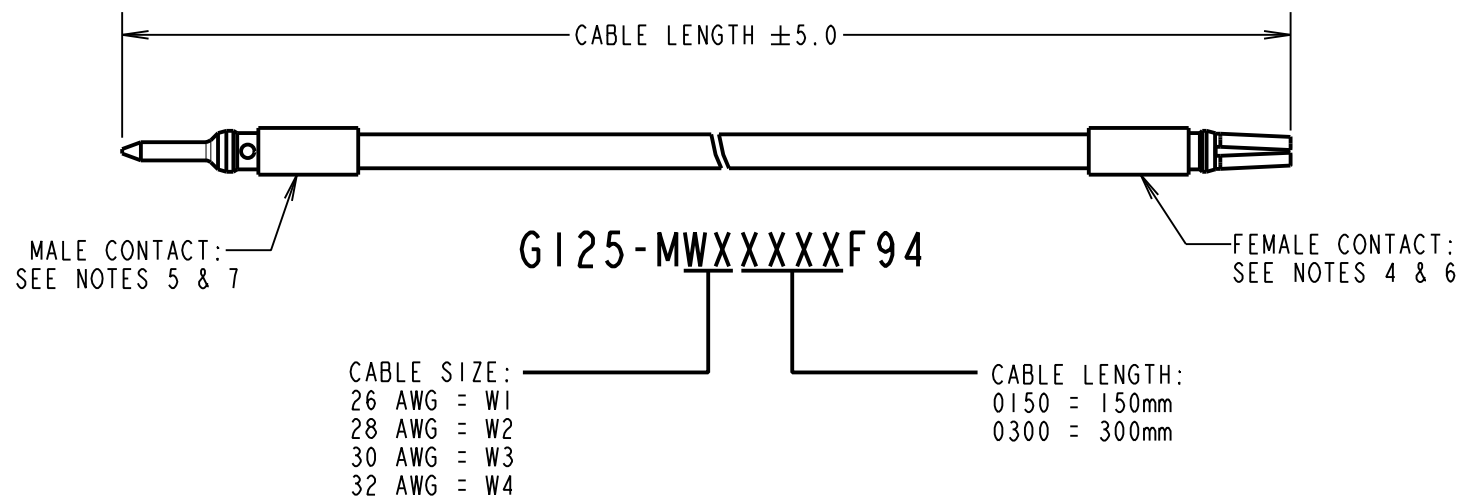
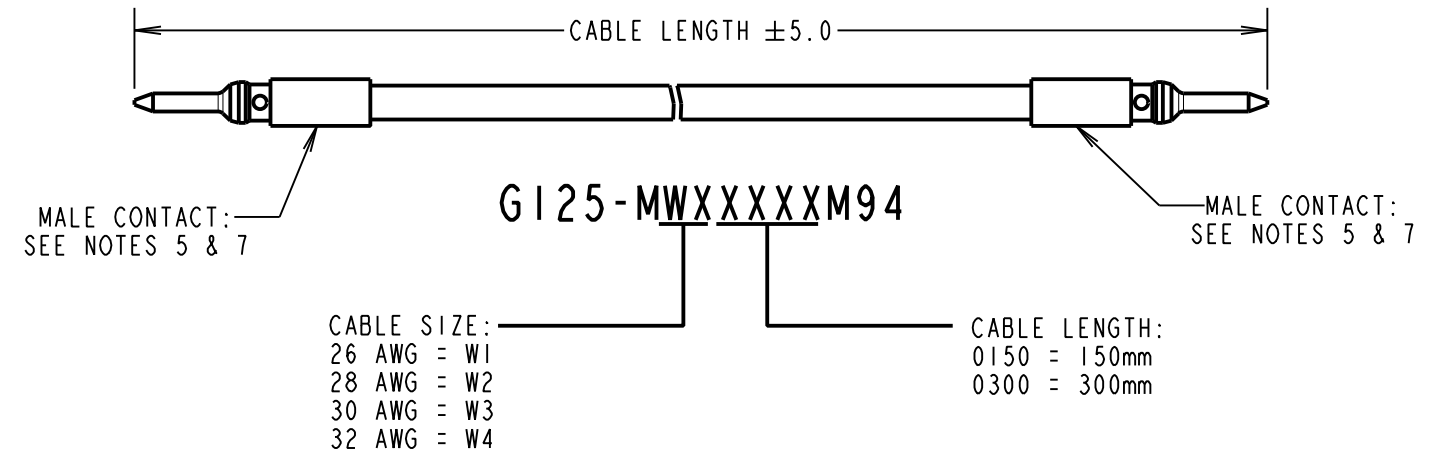
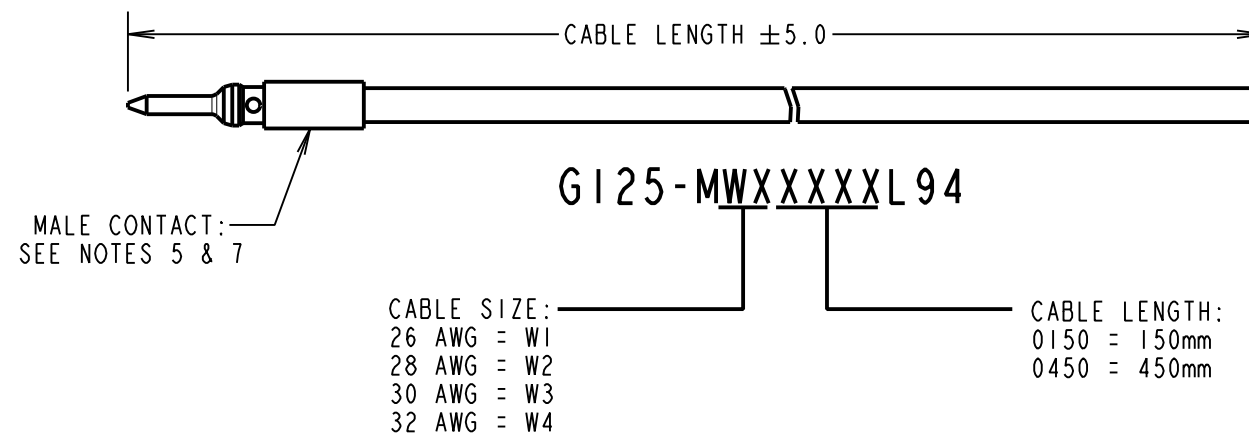
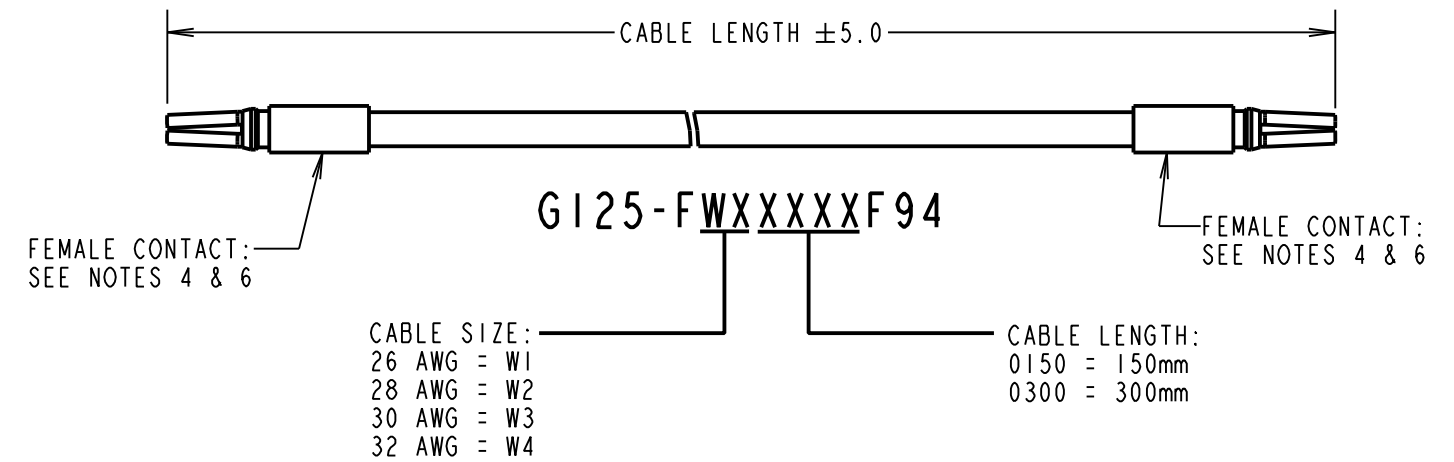
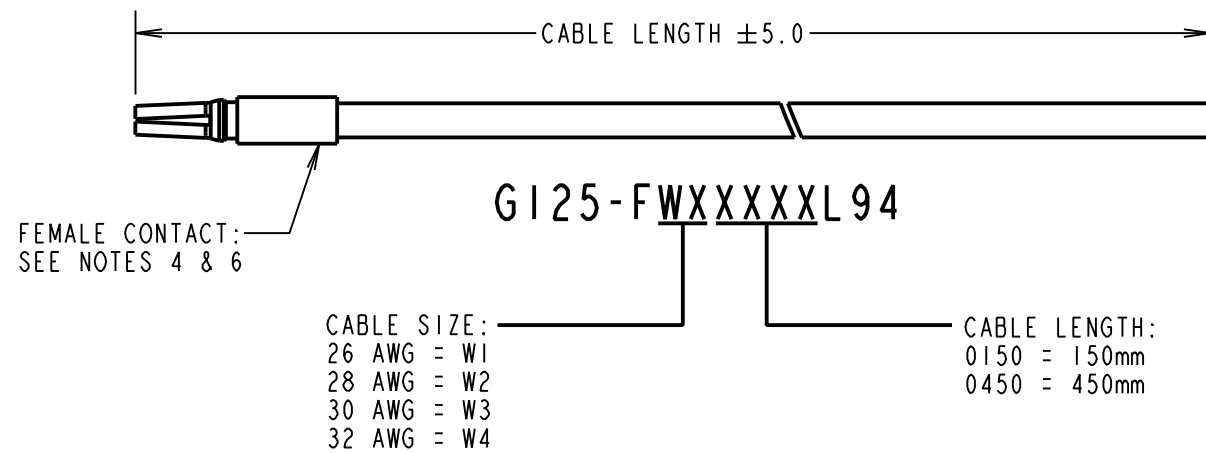
IF IN DOUBT - ASK

(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:

mm<sup>2</sup>

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/s<sup>2</sup> (20G). DURATION 2Hr

\* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s<sup>2</sup>  
(100G) FOR 6ms IN Z AXIS, 490 mm/s<sup>2</sup> (50G) FOR 11ms IN X&Y AXIS.

\* EIA-364-01A : 2000: ACCELERATION: 490 mm/s<sup>2</sup> (50G)

\* BUMP SEVERITY: 390 mm/s<sup>2</sup> (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

# AMEYA360

## Components Supply Platform

### Authorized Distribution Brand :



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Welcome to visit [www.ameya360.com](http://www.ameya360.com)

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