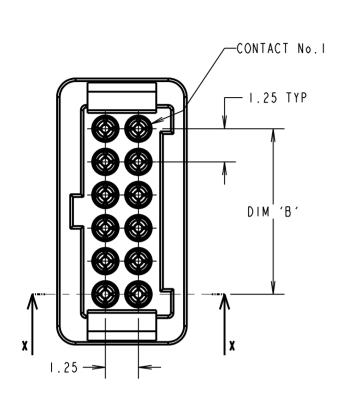
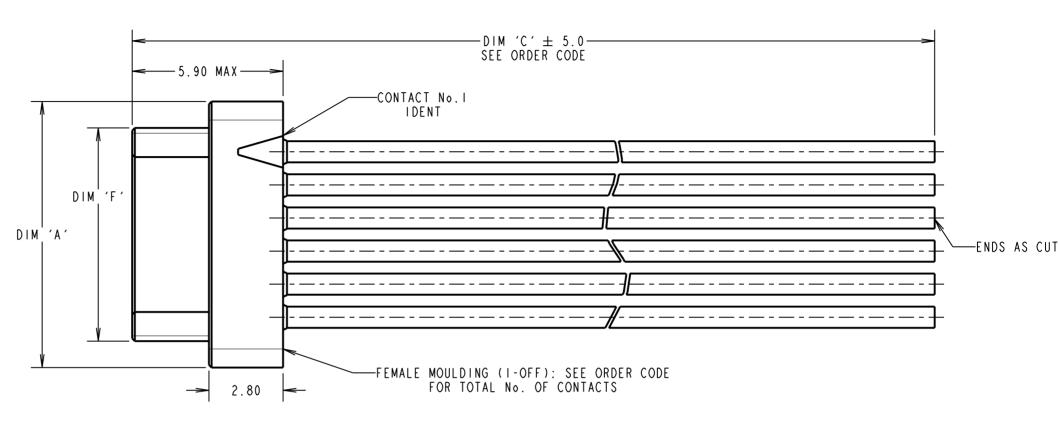
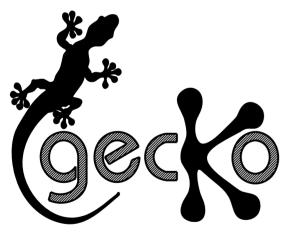
## Customer Information Sheet

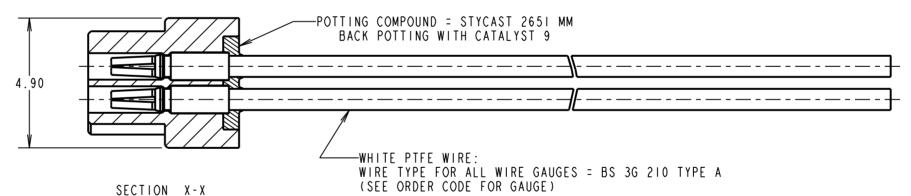
DRAWING No.: G125-FCXXX05LO-XXXXL IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



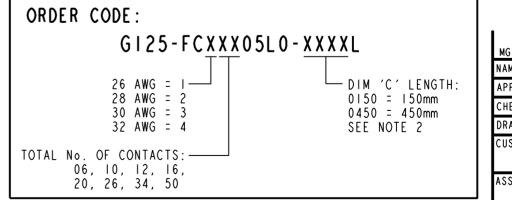




PATENT GRANTED - US 13/848813 PATENT PENDING - GB 1205109.0 PATENT PENDING - EP 13159969.8



DIM 'A'	(TOTAL No. OF CONTACTS – 2) x 0.625 + 3.80
DIM 'B'	(TOTAL No. OF CONTACTS – 2) x 0.625
DIM 'F'	(TOTAL No. OF CONTACTS – 2) x 0.625 + 1.80



	_	_	
MGP	4	30.08.16	13389
NAME	188.	DATE	C/NOTE
APPRO	OVED:	MGP	
CHECI	KED:	MSP	
DRAWI	١:	S.FLOW	ER
CUSTO	OME R	REF.:	
ASSEN	1BLY	DRG:	

## NOTES.

I. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.

2. CUSTOM LENGTH CABLE ASSEMBLIES CAN BE PRODUCED FROM 60mm TO 9999mm. CONTACT OUR CABLE TEAM ON CABLES@HARWIN.COM.



technical@harwin.com

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| D ANY | CRIPTIVE | C

UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA:

TITLE:
G125 SERIES FEMALE CRIMP
CONNECTOR WITH PIGTAIL

DRAWING NUMBER:

mm 2

G125-FCXXX05L0-XXXXL

## 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

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY): STYCAST 2651 MM BACK POTTING WITH CATALYST 9

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 IIm/s 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 =  $20m\Omega$  MAX

EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING =  $25 \text{m}\Omega$  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 $\Omega$  MIN AT 500V DC

EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING = >1 G $\Omega$  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

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ľ	TOLERANCES
	= ±1mm
	X.X = ±0.25mm X.XX = ±0.10mm
	X . XXX = 0 . 0 I mm
	AMGLES = 35°
L	UNLESS STATED

MATERIAL:

SEE ABOVE

TITLE:

G125 SERIES COMPONENT SPECIFICATION

FINISH: SEE ABOVE

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT 3 OF