

Customer Information Sheet

DRAWING No.: G125-1010005, G125-1020005

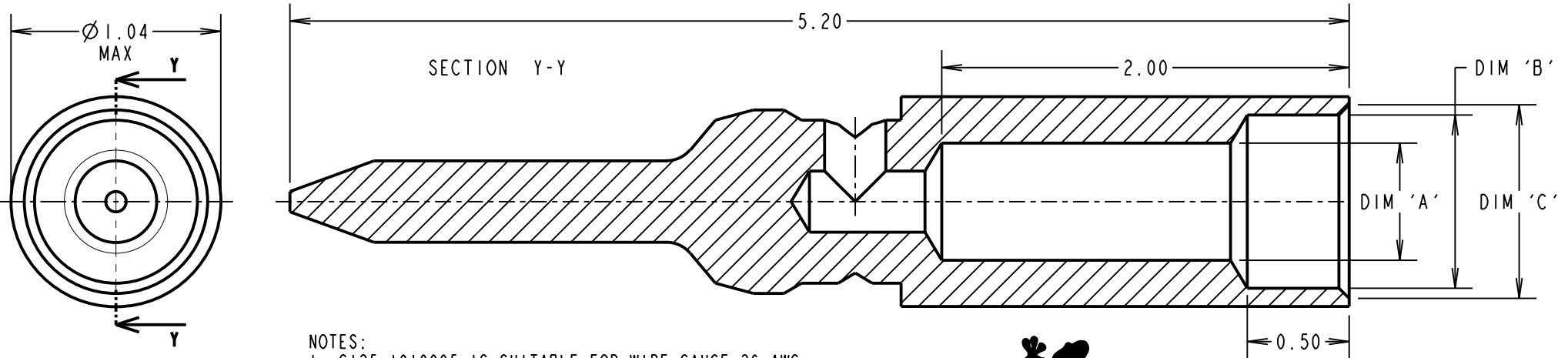
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

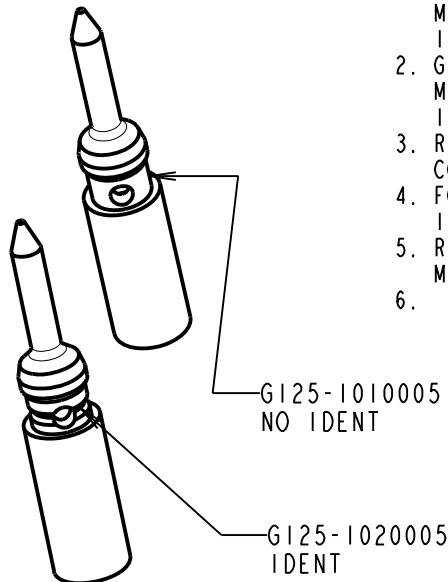


NOTES:

- G125-1010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.80\text{mm}$, STRIP WIRE BY 1.50-1.75mm FOR CRIMPING.
- G125-1020005 IS SUITABLE FOR WIRE GAUGE 28-32 AWG. MAXIMUM INSULATION DIAMETER $\varnothing 0.72\text{mm}$, STRIP WIRE BY 1.50-1.75mm FOR CRIMPING.
- RECOMMENDED CRIMP TOOL = Z125-900 & POSITIONER = Z125-901 CONTACT INSERTION / WITHDRAWAL KIT = Z125-902.
- FOR INSTRUCTIONS ON HAND CRIMP TOOL Z125-900, SEE INSTRUCTION SHEET IS-37.
- RECOMMENDED WIRE TYPES INCLUDE: BS 3G 210 Type A, MIL-W-16878/6 Type ET AND NEMA HP3 Type ET.
- PACKING: 100 PER BOX.



PATENT PENDING - UK 1205109.0



PART No.	MATERIAL	FINISH	DIM 'A'	DIM 'B'	DIM 'C'	IDENT GROOVE
G125-1010005	BRASS	0.20-0.30 μ GOLD OVER	$\varnothing 0.60$ $\varnothing 0.55$	$\varnothing 0.88$ $\varnothing 0.85$	$\varnothing 0.95$ $\varnothing 0.92$	NO
G125-1020005		1.5-2.5 μ NICKEL	$\varnothing 0.48$ $\varnothing 0.44$	$\varnothing 0.80$ $\varnothing 0.77$	$\varnothing 0.87$ $\varnothing 0.84$	YES

SF	6	05.08.13	12172
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		S.BENNETT	
DRAWN:		S.FLOWER	
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 MALE CRIMP SIGNAL CONTACTS
DRAWING NUMBER:
G125-1010005, G125-1020005

SHT
2 OF 3

MALE PC-TAIL/SMT = PHOSPHOR BRONZE
 MALE CRIMP = BRASS
 ALL FEMALE CONTACTS = BERYLLIUM COPPER
 POWER CONTACTS:
 ALL CONTACTS = BERYLLIUM COPPER

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 SIGNAL CONTACTS:
 0.2-0.3µm GOLD OVER NICKEL
 ALL POWER CONTACTS:
 0.76-1.00µm GOLD OVER 1.50-2.50µm NICKEL
 AND COPPER FLASH
 LATCHES:
 3.0µm 100% TIN OVER NICKEL

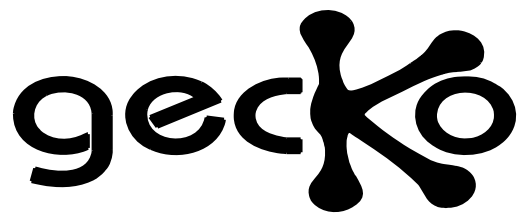
MECHANICAL:
 DURABILITY = 1000 OPERATIONS
 RETENTION IN HOUSING (ALL CONTACTS) = 6.0N MIN
 SIGNAL CONTACTS:
 INSERTION FORCE = 2.8N MAX
 WITHDRAWAL FORCE = 0.2N MIN
 POWER CONTACTS:
 INSERTION FORCE = 7.0N MAX
 WITHDRAWAL FORCE = 0.2N MIN
 SCREW-LOK:
 RETENTION IN HOUSING = 20.0N MIN
 LATCHES:
 RETENTION IN HOUSING = 4.0N MIN

ENVIRONMENTAL:
 CLASSIFICATION: 65/150/56 DAYS AT 93% RH

10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DUR
 * EIA-364-28D : 1999: TEST CONDITION IV: VIB
 10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DUR
 * EIA-364-27B : 1996: TEST CONDITION E SHOCK
 (100G) FOR 6ms IN Z AXIS, 490mm/s² (50G)
 * EIA-364-01A : 2000: ACCELERATION: 490mm/s²
 * BUMP SEVERITY: 390mm/s² (40G), 4000±10 BUM
 * TESTED WITH LATCHED CONNECTORS

ELECTRICAL:
 CURRENT RATING:
 SIGNAL CONTACTS:
 EIA-364-70A : 1998: INDIVIDUAL CONTACT IN
 EIA-364-70A : 1998: ALL CONTACTS SIMULTAN
 POWER CONTACTS:
 EIA-364-70A : 1998: PER CONTACT, THROUGH
 CONTACT RESISTANCE:
 EIA-364-06C : 2006: INITIAL CONTACT RESISTA
 EIA-364-06C : 2006: CONTACT RESISTANCE AFTE
 VOLTAGE PROOF:
 EIA-364-20C : 2004: SEA LEVEL (1013mbar) =
 EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar,
 WORKING VOLTAGE:
 AT SEA LEVEL (1006mbar) = 450V DC/AC PEAK
 AT ALTITUDE (44mbar, 21,336m/70,000ft) = 25
 INSULATION RESISTANCE:
 EIA-364-21C : 2000: INSULATION RESISTANCE (
 = 10GΩ MIN AT 500V DC
 EIA-364-21C : 2000: INSULATION RESISTANCE (
 = >1GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LA



PATENTED TECHNOLOGY

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TOLERANCES	
X.	= ±1mm
X.X	= ±0.50mm
X.XX	= ±0.20mm
X.XXX	= ±0.01mm
ANGLES = ±5°	
UNLESS STATED	

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