

# Customer Information Sheet

DRAWING No.: G125-0010005, G125-0020005

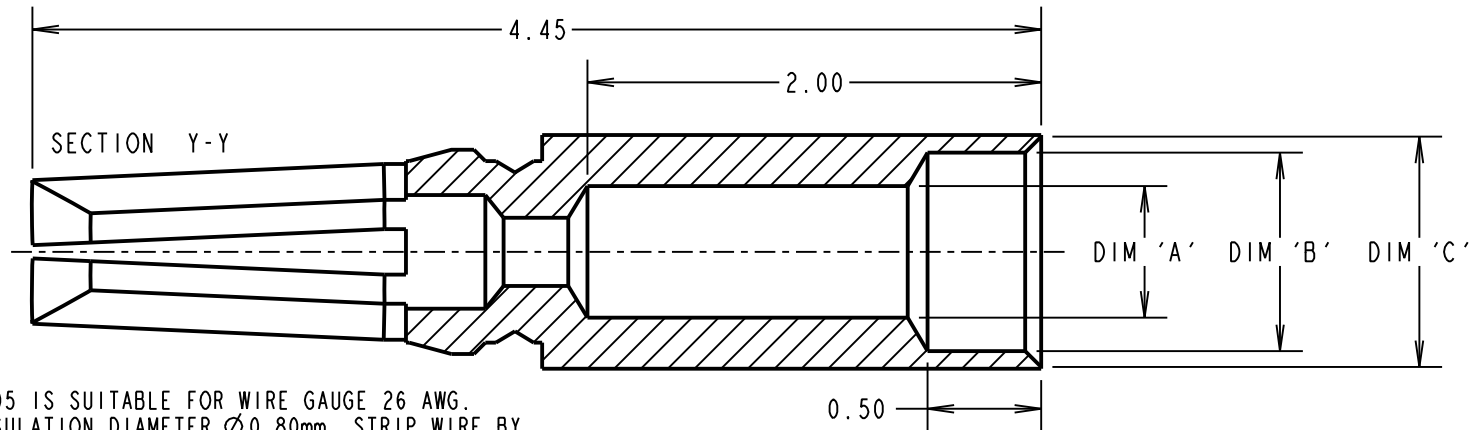
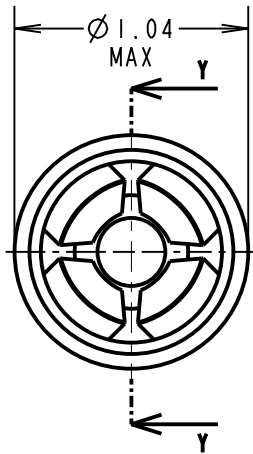
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



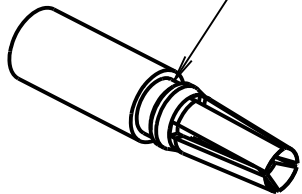
**NOTES:**

- G125-0010005 IS SUITABLE FOR WIRE GAUGE 26 AWG. MAXIMUM INSULATION DIAMETER  $\varnothing 0.80\text{mm}$ , STRIP WIRE BY 1.50-1.75mm FOR CRIMPING.
- G125-0020005 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.
- HANDLING GUIDELINES:  
WHEN HANDLING THIS PRODUCT WEAR NITRILE/LATEX POWDER FREE GLOVES OR FINGER COTS. TO PREVENT THE CONTAMINATION OF CONTACTS FROM HANDS.

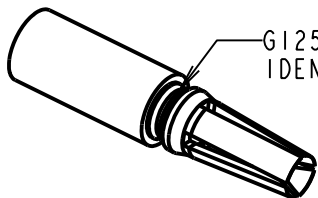


PATENTED TECHNOLOGY

G125-0010005  
NO IDENT



G125-0020005  
IDENT



PART No.	MATERIAL	FINISH	DIM 'A'	DIM 'B'	DIM 'C'	IDENT GROOVE
G125-0010005	BERYLLIUM COPPER	0.20-0.30 $\mu\text{m}$ GOLD OVER	$\varnothing 0.60$ $\varnothing 0.55$	$\varnothing 0.88$ $\varnothing 0.85$	$\varnothing 0.95$ $\varnothing 0.92$	NO
G125-0020005		1.5-2.5 $\mu\text{m}$ NICKEL	$\varnothing 0.48$ $\varnothing 0.44$	$\varnothing 0.80$ $\varnothing 0.77$	$\varnothing 0.87$ $\varnothing 0.84$	YES

MGP	9	26.03.21	30441
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RA			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

www.harwin.com  
technical@harwin.com

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TOLERANCES  
X. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.20\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$   
ANGLES =  $\pm 5^\circ$   
UNLESS STATED

MATERIAL: SEE TABLE  
FINISH: SEE TABLE  
S/AREA: mm<sup>2</sup>

TITLE:  
G125 SERIES FEMALE CRIMP SIGNAL CONTACTS  
DRAWING NUMBER:  
G125-0010005, G125-0020005

SHT  
3 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

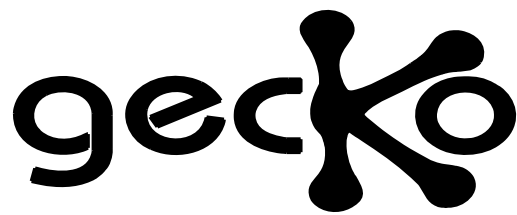
MECHANICAL:  
 DURABILITY = 1000 OPERATIONS  
 RETENTION IN HOUSING (ALL CONTACTS) = 6.0N MIN  
 SIGNAL CONTACTS:  
 INSERTION FORCE = 2.8N MAX  
 WITHDRAWAL FORCE = 0.2N MIN  
 POWER CONTACTS:  
 INSERTION FORCE = 7.0N MAX  
 WITHDRAWAL FORCE = 0.2N MIN  
 SCREW-LOK:  
 RETENTION IN HOUSING = 20.0N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

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

10Hz TO 2000Hz, 1.5mm, 198mm/s<sup>2</sup> (20G). DUR  
 \* EIA-364-28D : 1999: TEST CONDITION IV: VIB  
 10Hz TO 2000Hz, 1.5mm, 198mm/s<sup>2</sup> (20G). DUR  
 \* EIA-364-27B : 1996: TEST CONDITION E SHOCK  
 (100G) FOR 6ms IN Z AXIS, 490mm/s<sup>2</sup> (50G)  
 \* EIA-364-01A : 2000: ACCELERATION: 490mm/s<sup>2</sup>  
 \* BUMP SEVERITY: 390mm/s<sup>2</sup> (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	

MATER  
 FINI  
 S/ARI

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