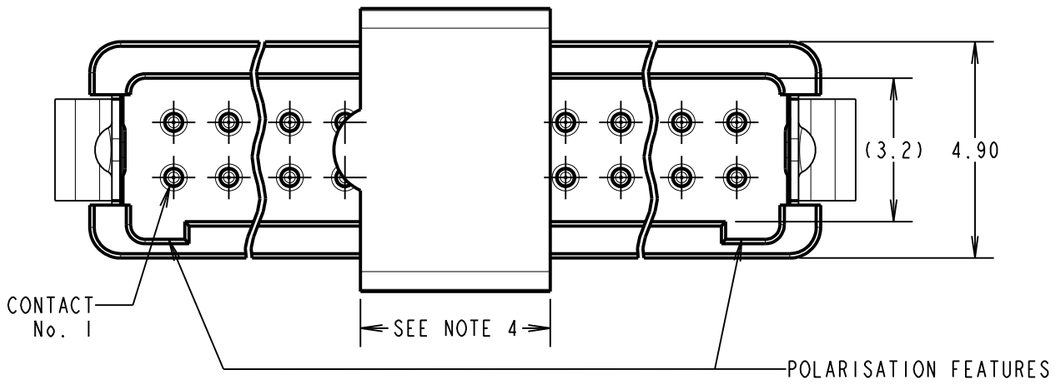
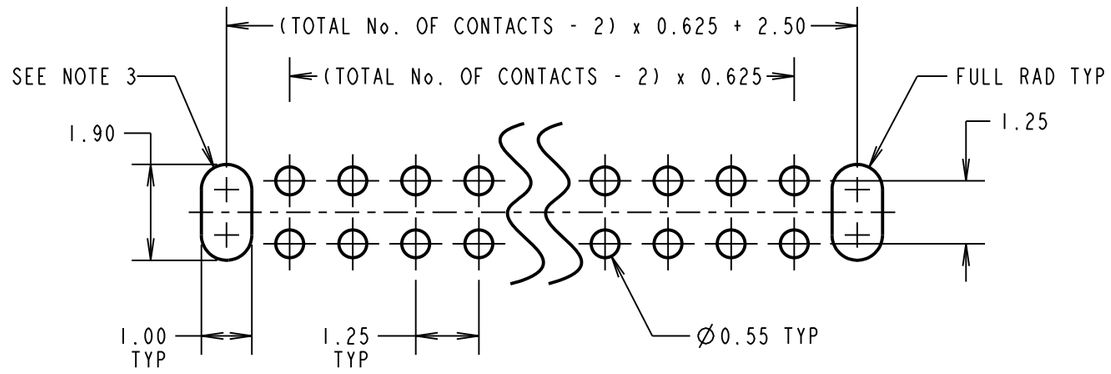
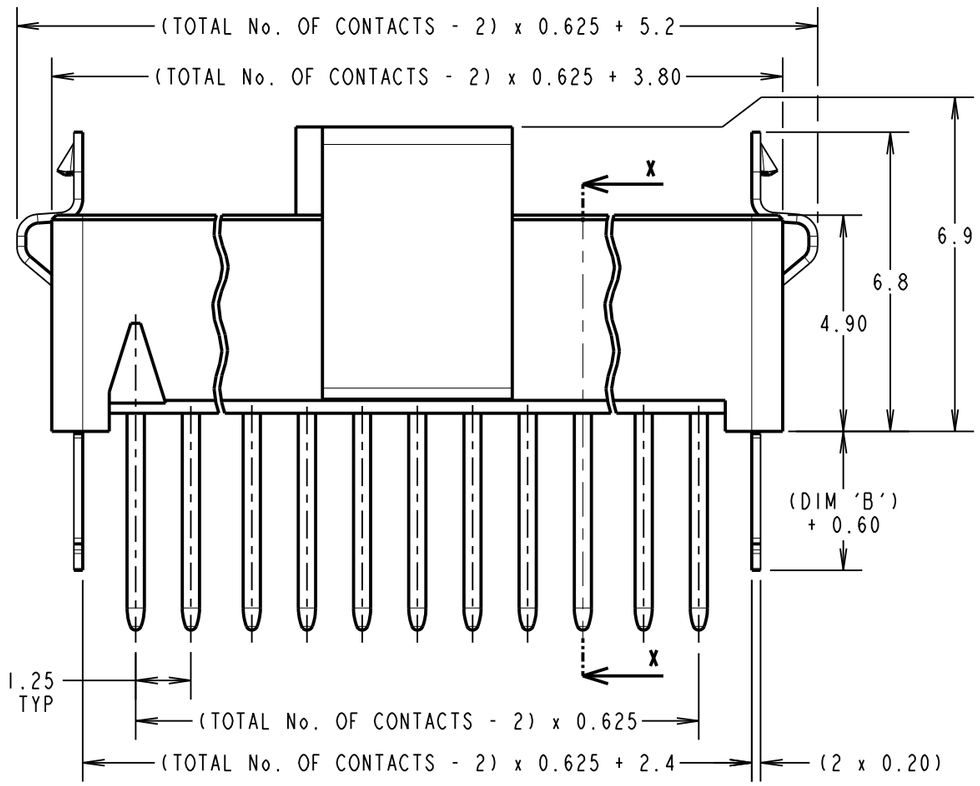
Customer Information Sheet

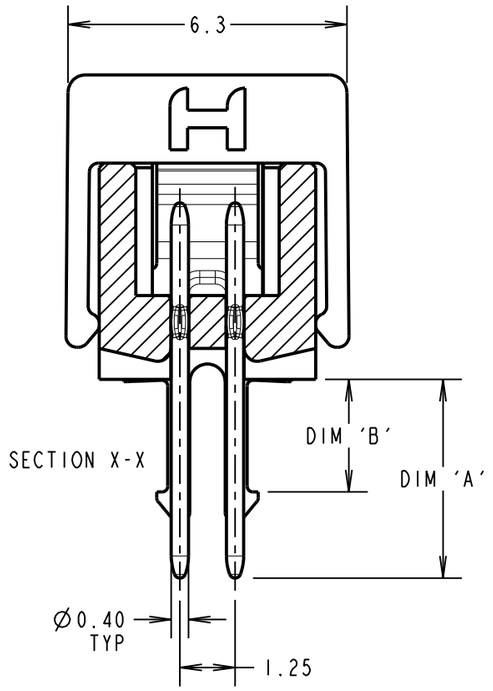
DRAWING No.: G125-MVXXX05LXR	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT - TOLERANCE = ±0.05







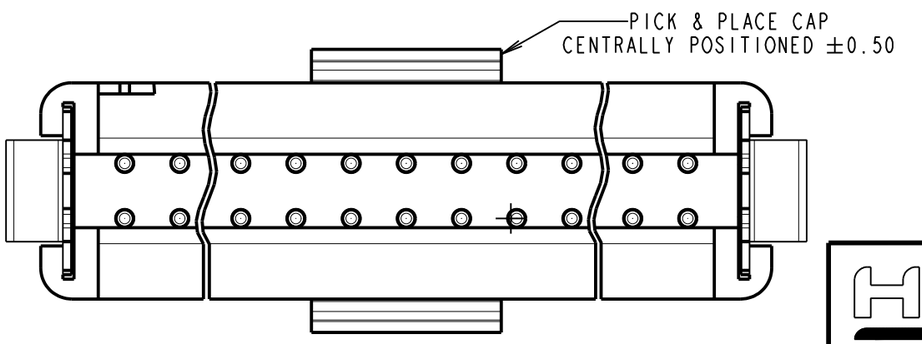
ORDER CODE: **G125-MVXXX05LXR**

CONTACT STYLE:
3.00MM PC-TAIL = V1
4.50MM PC-TAIL = V2

TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50

LATCHES:
NO LATCHES = L0
1.6mm LATCHES = L1
2.4mm LATCHES = L2

CONTACT STYLE	DIM 'A'	LATCH STYLE	DIM 'B'
V1	3.00	L0	NO LATCH
		L1	1.70
V2	4.50	L0	NO LATCH
		L2	2.50



CONNECTOR DETAILS AND PCB LAYOUT ONLY.
SEE SHEET 5 FOR TAPE AND REEL DETAILS.

NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
2. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
3. SLOTS NOT REQUIRED WHEN "L0" IS SPECIFIED IN ORDER CODE.
4. PICK AND PLACE CAP LENGTH = 4.3mm ON ALL PART NUMBERS EXCEPT G125-MVX0605LXR ON THIS PART LENGTH = 3.3mm.

NAME	ISS.	DATE	C/NOTE
MGP	3	25.02.20	21885

APPROVED: MGP
CHECKED: RP
DRAWN: S.FLOWER
CUSTOMER REF.:
ASSEMBLY DRG:

HARWIN
www.harwin.com
technical@harwin.com

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

MATERIAL: SEE SPECIFICATION SHEET
FINISH:
S/AREA: mm²

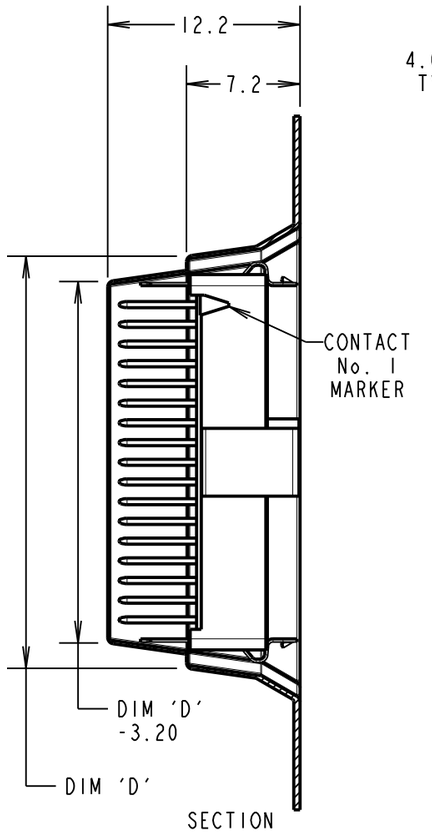
TITLE: 1.25mm GECKO MALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE & REEL

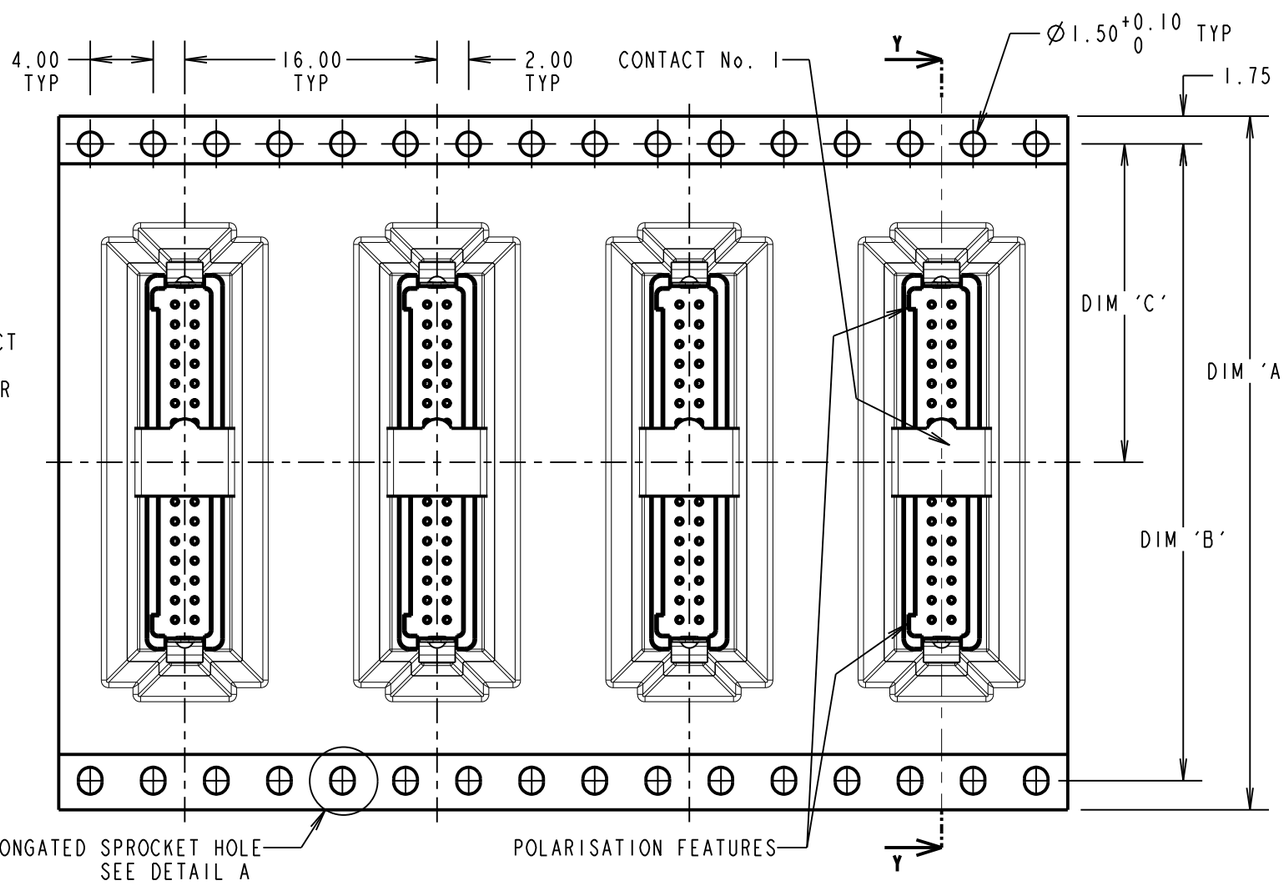
DRAWING NUMBER: G125-MVXXX05LXR

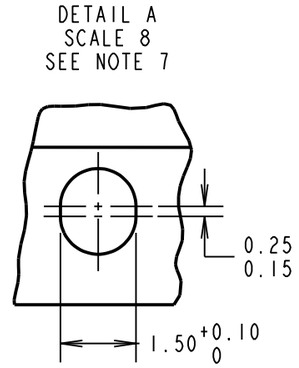
SHT 4 OF 5

Customer Information Sheet

DRAWING No.: G125-MVXXX05LXR	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm





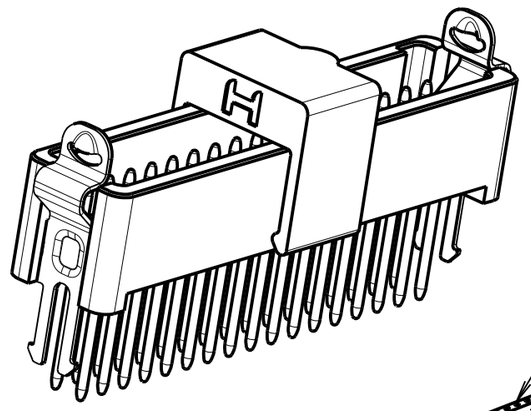


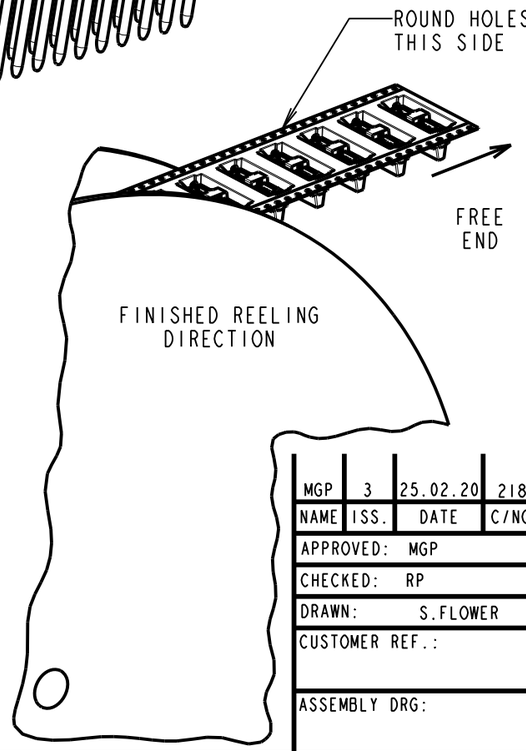
ORDER CODE: **G125-MVXXX05LXR**

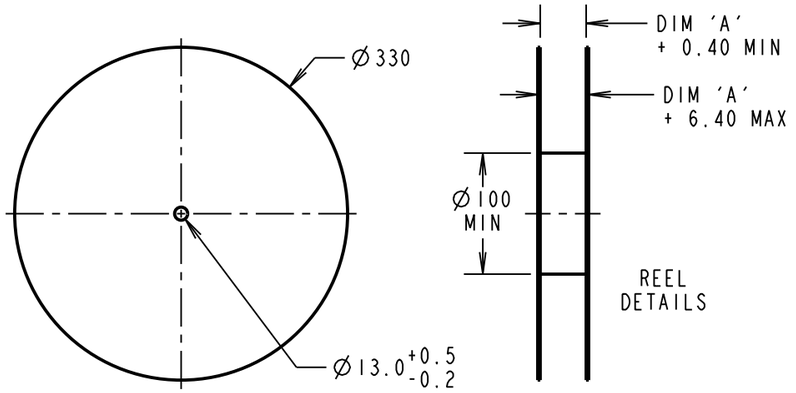
CONTACT STYLE:
3.00MM PC-TAIL = V1
4.50MM PC-TAIL = V2

TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50

LATCHES:
NO LATCHES = L0
1.6mm LATCHES = L1
2.4mm LATCHES = L2







PART No.	DIM 'A'	DIM 'B'	DIM 'C'	(DIM 'D')
G125-MVX0605LXR	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-MVX1005LXR				(11.1)
G125-MVX1205LXR	32.0±0.3	28.40	14.20	(12.4)
G125-MVX1605LXR				(14.9)
G125-MVX2005LXR	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-MVX2605LXR				(21.1)
G125-MVX3405LXR				(26.1)
G125-MVX5005LXR	56.0±0.3	52.40	26.2±0.15	(36.1)

NOTES:
1. QUANTITY OF COMPONENTS PER REEL = 250.
2. FOR OTHER QUANTITIES SEE G125-MVXXX05LXP.
3. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
4. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
5. COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING AWAY FROM THE FREE END.
6. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
7. ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

HARWIN
www.harwin.com
technical@harwin.com

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

MATERIAL: SEE SPECIFICATION SHEET
FINISH:
S/AREA: mm²

TITLE: 1.25mm GECKO MALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE & REEL

DRAWING NUMBER: G125-MVXXX05LXR

SHT 5 OF 5

NAME	ISS.	DATE	C/NOTE
MGP	3	25.02.20	21885

APPROVED: MGP
CHECKED: RP
DRAWN: S.FLOWER
CUSTOMER REF.:
ASSEMBLY DRG:

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION	IF IN DOUBT - ASK	©	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:
SIGNAL CONTACTS:
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

TEMPERATURE RANGE:
* EIA-364-32 : 2000 TEST CONDITION IV, DWELL
30mins, 5 CYCLES -65°C TO +150°C

MECHANICAL:
VIBRATION AND SHOCK:
* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DURATION 2Hr
* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DURATION 2Hr
* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981mm/s²
(100G) FOR 6ms IN Z AXIS, 490mm/s² (50G) FOR 11m/s IN X & Y AXIS.
* EIA-364-01A : 2000: ACCELERATION: 490mm/s² (50G)
* BUMP SEVERITY: 390mm/s² (40G), 4000±10 BUMPS
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:
CURRENT RATING:
SIGNAL CONTACTS:
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
POWER CONTACTS:
EIA-364-70A : 1998: PER CONTACT, THROUGH ALL CONTACTS = 10A MAX
CONTACT RESISTANCE:
EIA-364-06C : 2006: INITIAL CONTACT RESISTANCE = 20mΩ MAX
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ MAX
VOLTAGE PROOF:
EIA-364-20C : 2004: SEA LEVEL (1013mbar) = 600V DC/AC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar, 21,336m/70,000ft) = 350V DC/AC PEAK
WORKING VOLTAGE:
AT SEA LEVEL (1006mbar) = 450V DC/AC PEAK
AT ALTITUDE (44mbar, 21,336m/70,000ft) = 250V DC/AC PEAK

INSULATION RESISTANCE:
EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL)
= 10GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING
= >1GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

RTP	5	04.10.19	22083
NAME	ISS.	DATE	C/NOTE
APPROVED:	R.PORTLOCK		
CHECKED:	S.BENNETT		
DRAWN:	S.FLOWER		
CUSTOMER REF.:			
ASSEMBLY DRG:			

gecko

PATENTED TECHNOLOGY

HARWiN

www.harwin.com
technical@harwin.com

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

MATERIAL: SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: G125 SERIES COMPONENT SPECIFICATION
DRAWING NUMBER: G125-SERIES CONNECTORS
SHT 1 OF 1

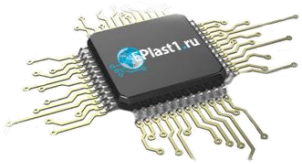
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.