

Customer Information Sheet

DRAWING No.: G125-FVXXX05L0R

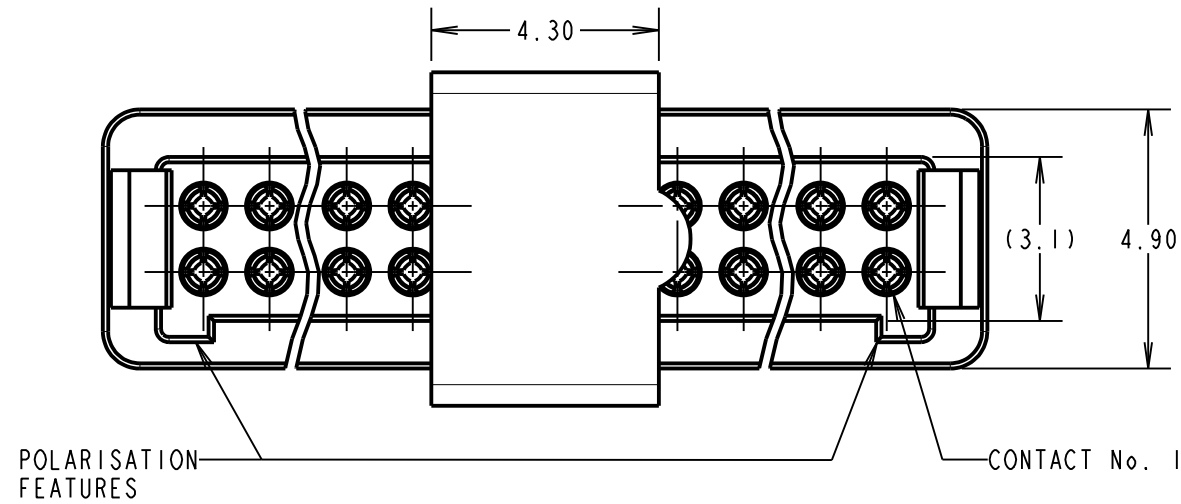
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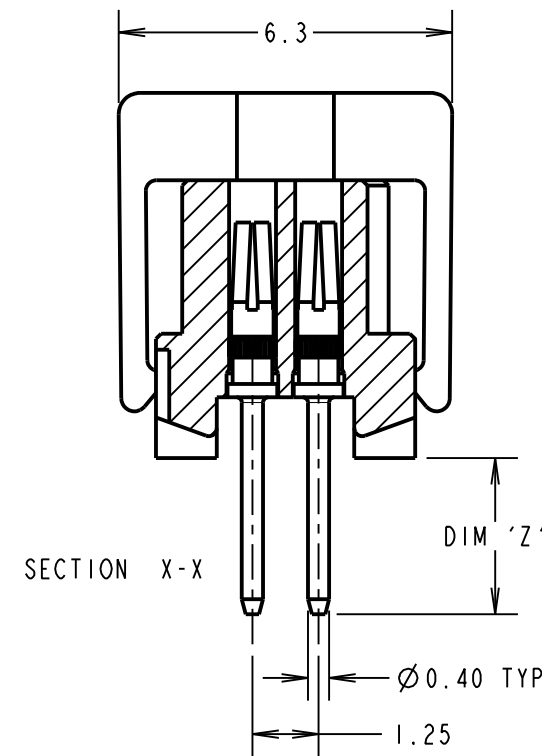
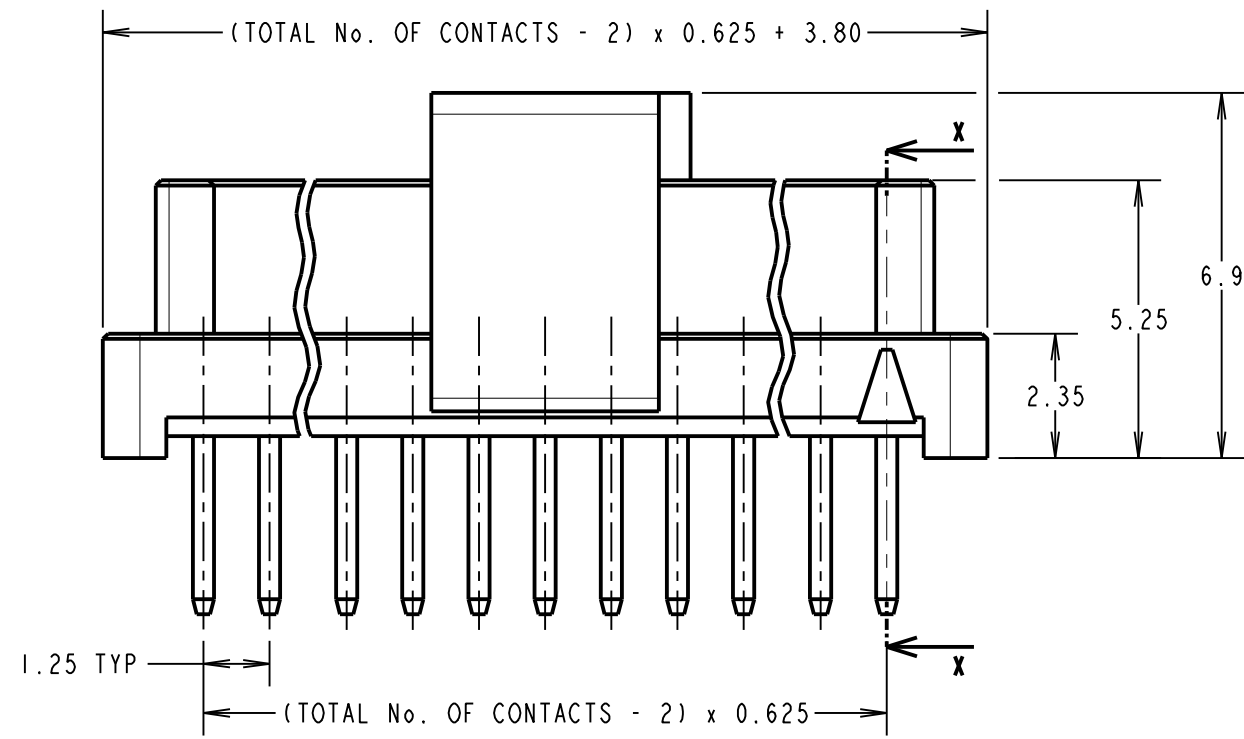
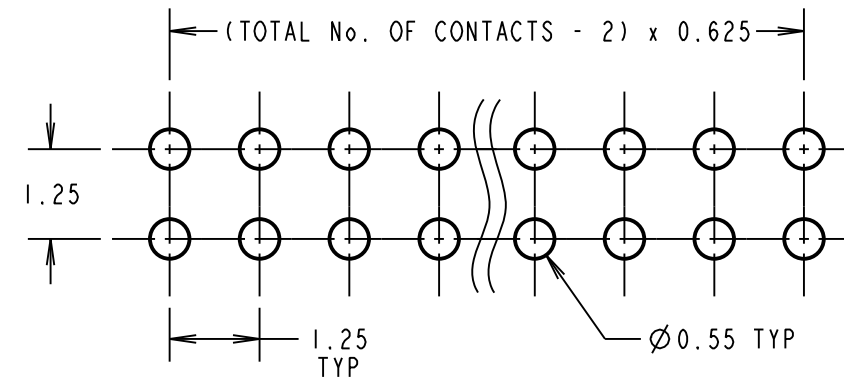
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT



ORDER CODE: **G125-FVXXX05L0R**

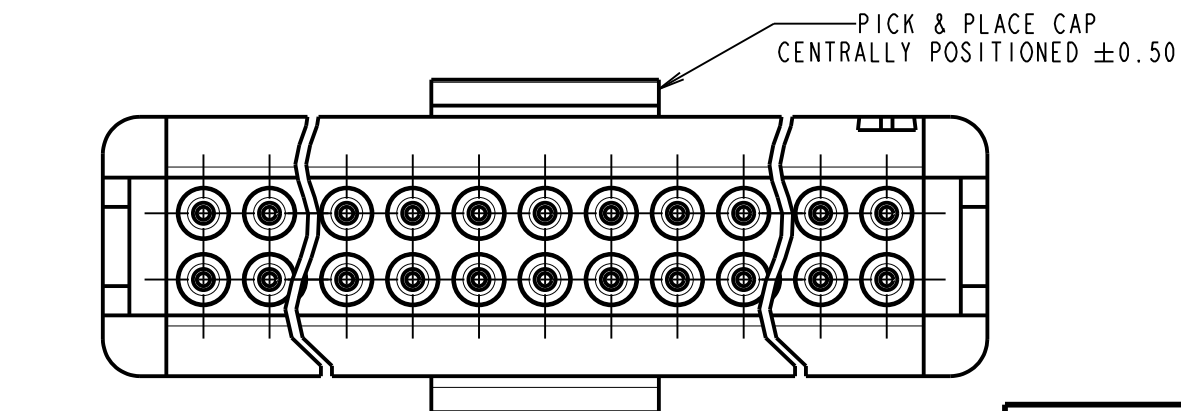
CONTACT STYLE: _____

3.00mm PC-TAIL = V1
4.50mm PC-TAIL = V2

TOTAL No. OF CONTACTS: _____

06, 10, 12, 16, 20, 26, 34, 50

| CONTACT STYLE | DIM 'Z' |
|---------------|---------|
| V1 | 3.00 |
| V2 | 4.50 |



CONNECTOR DETAILS AND PCB LAYOUT ONLY.
SEE SHEET 6 FOR TAPE AND REEL DETAILS.

NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).

| | | | |
|--------------------|------|----------|--------|
| MR | 2 | 08.11.18 | 20862 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: M.RUDKIN | | | |
| CHECKED: M.PLESTED | | | |
| DRAWN: S.FLOWER | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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

TITLE: 1.25mm GECKO FEMALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE AND REEL
DRAWING NUMBER: **G125-FVXXX05L0R**

Customer Information Sheet

DRAWING No.: G125-FVXXX05LOR

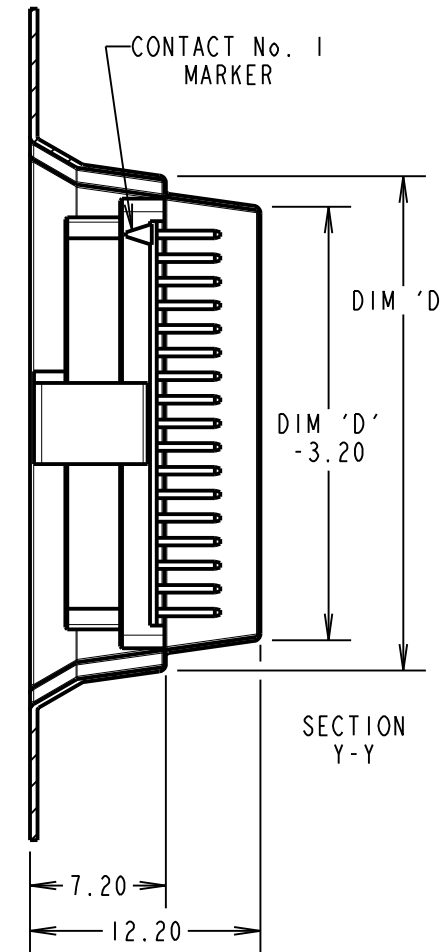
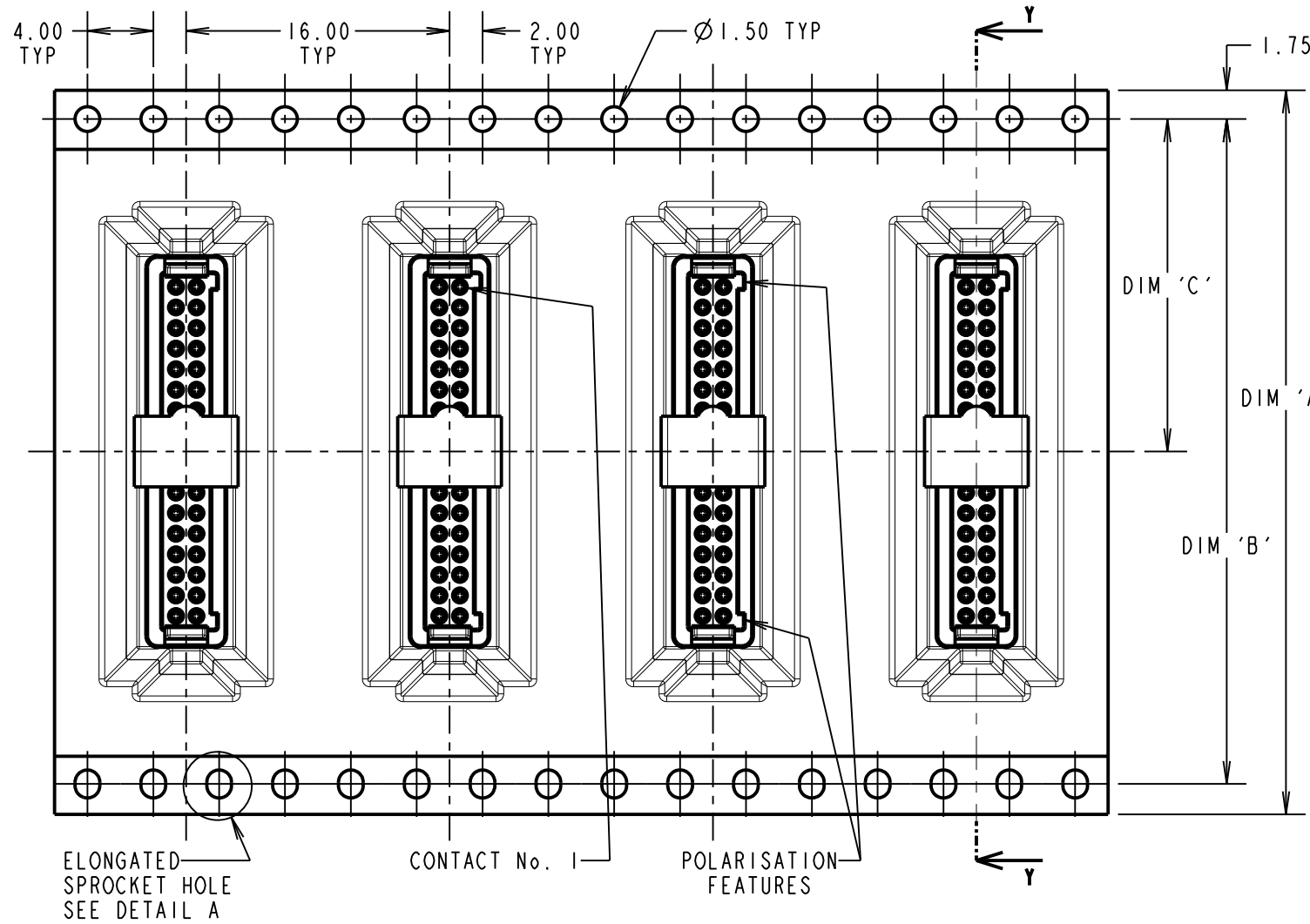
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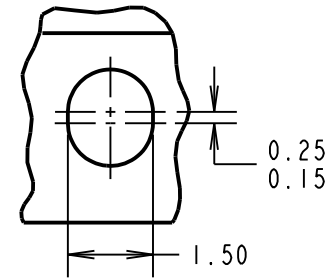
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



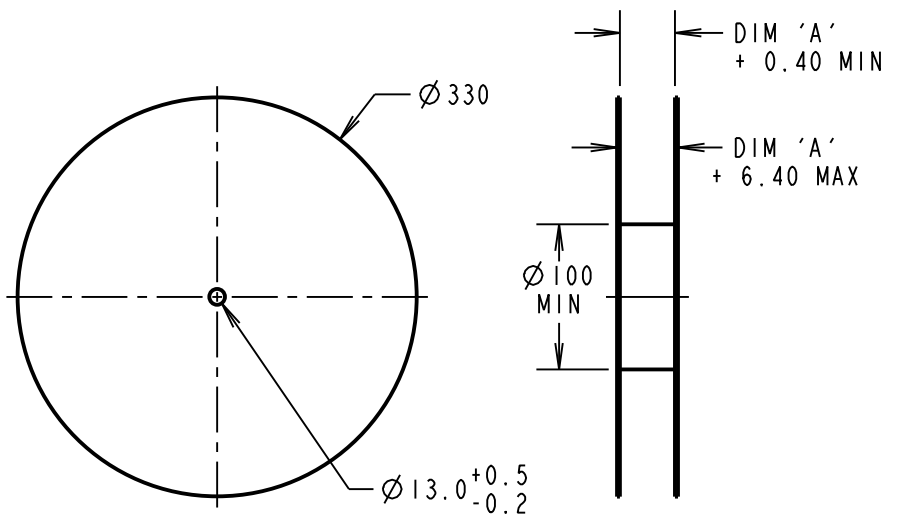
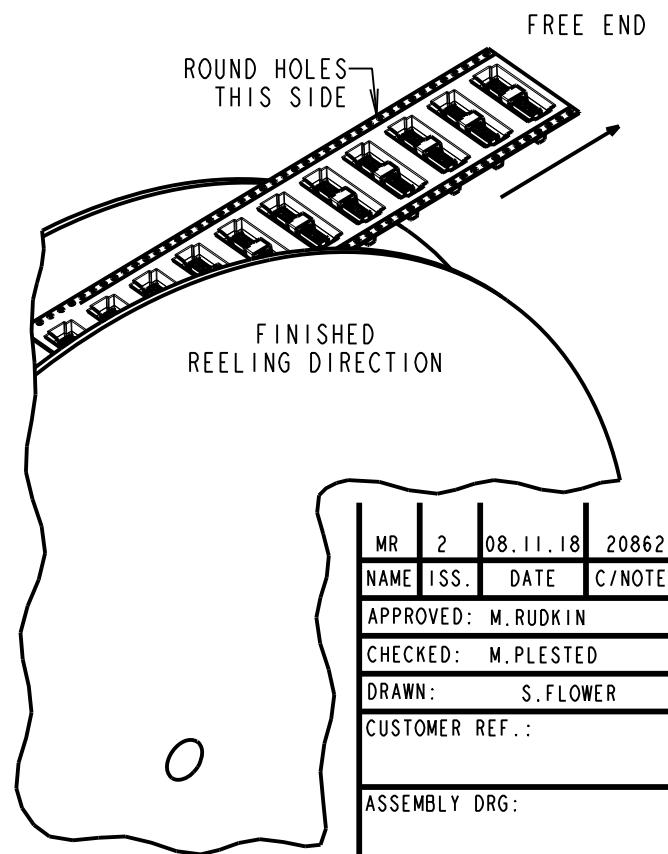
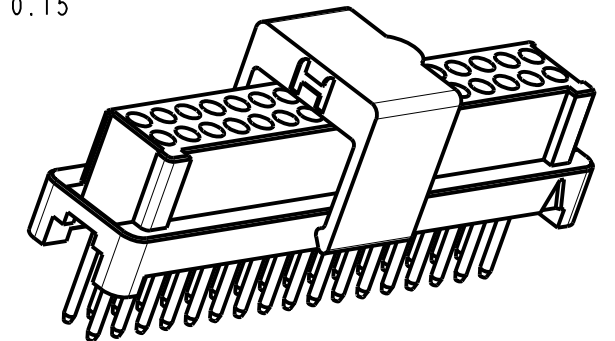
DETAIL A
SCALE 8
SEE NOTE 6



ORDER CODE: **G125-FVXXX05LOR**

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

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



| PART No. | DIM 'A' | DIM 'B' | DIM 'C' | DIM 'D' |
|-----------------|----------|-------------------|-----------|---------|
| G125-FVX0605LOR | 24.0±0.3 | NO ELONGATED HOLE | 11.50 | (8.6) |
| G125-FVX1005LOR | | (11.1) | | |
| G125-FVX1205LOR | 32.0±0.3 | 28.40 | 14.20 | (12.4) |
| G125-FVX1605LOR | | | | (14.9) |
| G125-FVX2005LOR | 44.0±0.3 | 40.40 | 20.2±0.15 | (17.4) |
| G125-FVX2605LOR | | | | (21.1) |
| G125-FVX3405LOR | | | | (26.1) |
| G125-FVX5005LOR | 56.0±0.3 | 52.40 | 26.2±0.15 | (36.1) |

- NOTES:
- QUANTITY OF COMPONENTS PER REEL = 250.
 - SEE DRAWING G125-FSIXX05FIP FOR OTHER QUANTITIES.
 - THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
 - FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 - COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING TOWARDS THE FREE END.
 - ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

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X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: 1.25mm GECKO FEMALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE AND REEL

DRAWING NUMBER:

G125-FVXXX05LOR

| | | | |
|--------------------|------|----------|--------|
| MR | 2 | 08.11.18 | 20862 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: M.RUDKIN | | | |
| CHECKED: M.PLESTED | | | |
| DRAWN: S.FLOWER | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION

IF IN DOUBT - ASK

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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 11ms 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

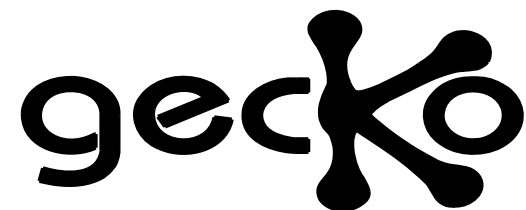
WORKING VOLTAGE:

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).



PATENTED TECHNOLOGY

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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

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

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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