

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0009931300

Status:

Active

Overview:

kk

Description:

3.96mm (.156") Pitch KK® Crimp Terminal Housing, Friction Ramp, 13 Circuits, Glow Wire Compatible

Documents:

3D Model

Drawing (PDF)

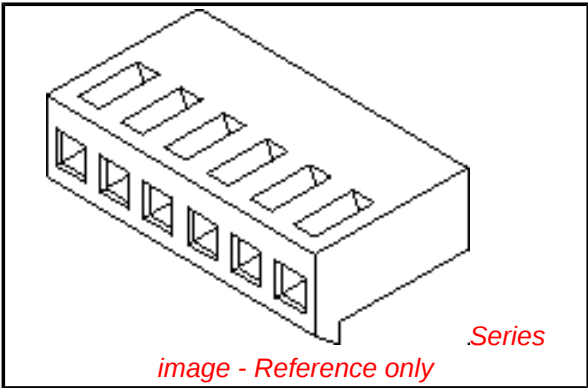
Product Specification PS-99020-0087 (PDF)

RoHS Certificate of Compliance (PDF)

| General                       |                |
|-------------------------------|----------------|
| Product Family                | Crimp Housings |
| Series                        | 3069           |
| Overview                      | kk             |
| Product Name                  | KK®            |
| Physical                      |                |
| Circuits (maximum)            | 13             |
| Circuits Detail               | 13             |
| Color - Resin                 | Natural        |
| Gender                        | Female         |
| Glow-Wire Compliant           | Yes            |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Number of Rows                | 1              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface (in) | 0.156 In       |
| Pitch - Mating Interface (mm) | 3.96 mm        |
| Temperature Range - Operating | 0°C to +75°C   |

| Material Info   |          |
|-----------------|----------|
| Old Part Number | 3069-G13 |

| Reference - Drawing Numbers |               |
|-----------------------------|---------------|
| Product Specification       | PS-99020-0087 |
| Sales Drawing               | SD-3069-GN*** |



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

3069Series

Mates With

2220 , 3190 , 3192 , 3243, 3246, A4042, 41661 , 41662 , 41671 , 41672 , 41681 , 41682 , 41701 , 41711 , 41721 , 41741 , 41761 , 41771 , 41772 , 41791 , 41792 , 42441 , 42461 , 42471 , 42491 , 42492

Use With

2478 Crimp Terminals for 18-24 AWG, 2578 Crimp Terminals for 22-26 AWG

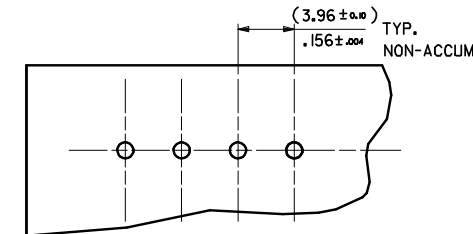
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

| No. OF CCTS. | C                            | D                            | No. OF CCTS. | C                            | D                            |
|--------------|------------------------------|------------------------------|--------------|------------------------------|------------------------------|
| 14           | (51.51 ±.008)<br>2.028 ±.008 | (55.37 ±.008)<br>2.180 ±.008 | 2            | (3.96 ±.008)<br>.156 ±.008   | (7.82 ±.008)<br>.308 ±.008   |
| 15           | (55.47 ±.008)<br>2.184 ±.008 | (59.33 ±.008)<br>2.336 ±.008 | 3            | (7.92 ±.008)<br>.312 ±.008   | (11.79 ±.008)<br>.464 ±.008  |
| 16           | (59.44 ±.008)<br>2.340 ±.008 | (63.30 ±.008)<br>2.492 ±.008 | 4            | (11.89 ±.008)<br>.468 ±.008  | (15.75 ±.008)<br>.620 ±.008  |
| 17           | (63.40 ±.008)<br>2.496 ±.008 | (67.26 ±.008)<br>2.648 ±.008 | 5            | (15.85 ±.008)<br>.624 ±.008  | (19.71 ±.008)<br>.776 ±.008  |
| 18           | (67.36 ±.008)<br>2.652 ±.008 | (71.22 ±.008)<br>2.804 ±.008 | 6            | (19.81 ±.008)<br>.780 ±.008  | (23.67 ±.008)<br>.932 ±.008  |
| 19           | (71.32 ±.008)<br>2.808 ±.008 | (75.18 ±.008)<br>2.960 ±.008 | 7            | (23.77 ±.008)<br>.936 ±.008  | (27.64 ±.008)<br>1.088 ±.008 |
| 20           | (75.29 ±.008)<br>2.964 ±.008 | (79.15 ±.008)<br>3.116 ±.008 | 8            | (27.74 ±.008)<br>1.092 ±.008 | (31.60 ±.008)<br>1.244 ±.008 |
|              |                              |                              | 9            | (31.70 ±.008)<br>1.248 ±.008 | (35.56 ±.008)<br>1.400 ±.008 |
|              |                              |                              | 10           | (35.66 ±.008)<br>1.404 ±.008 | (39.52 ±.008)<br>1.556 ±.008 |
|              |                              |                              | 11           | (39.62 ±.008)<br>1.560 ±.008 | (43.48 ±.008)<br>1.712 ±.008 |
|              |                              |                              | 12           | (43.59 ±.008)<br>1.716 ±.008 | (47.45 ±.008)<br>1.868 ±.008 |
|              |                              |                              | 13           | (47.55 ±.008)<br>1.872 ±.008 | (51.41 ±.008)<br>2.024 ±.008 |

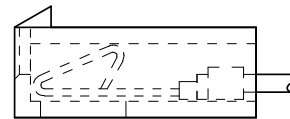
# NOTES:

- FOR USE WITH TERMINAL No. 2478 OR 2578
- ASSEMBLED CONNECTOR MATES WITH (1.14)/0.045 SQUARE OR ROUND PIN.
- EXTENDED PIN ENTRY WINDOWS ARE POSSIBLE.

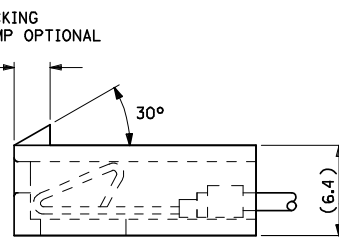
## RECOMMENDED P/C BOARD



## OPTIONAL WINDOW DETAIL



## DIRECTION OF TERMINAL INSERTION.



## ENG. No. DESIGNATION

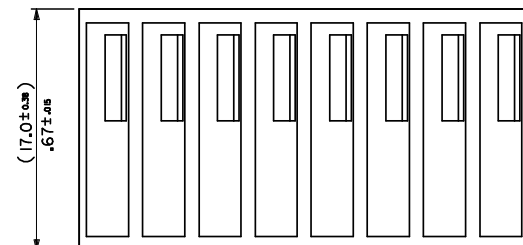
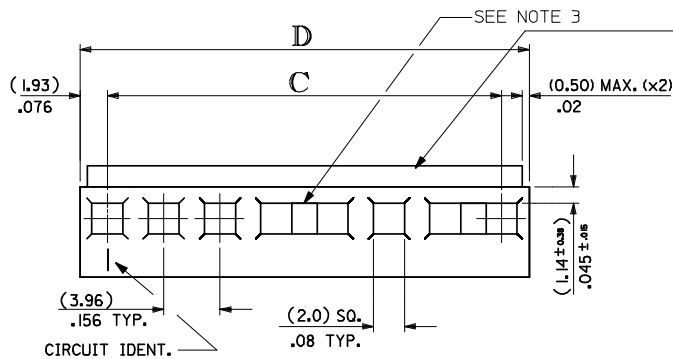
3069 - G N 2

"G" GWT (750°C) PA66 BALCK

"2" INDICATES HOUSING WITHOUT RAMP  
"BLANK" INDICATES HOUSING WITH RAMP

NO. OF CKT'S

| WORKMANAGER ERROR |            | QUALITY SYMBOLS |       | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE                                                                                                               |            | SCALE |        | DESIGN UNITS |  | THIRD ANGLE PROJECTION |                  |
|-------------------|------------|-----------------|-------|---------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|------------|-------|--------|--------------|--|------------------------|------------------|
| EC NO:            | EC NO:     | mm              | INCH  | mm                                    | INCH  | MM/IN                                                                                                                         | DATE       | 4:1   | METRIC | METRIC       |  |                        |                  |
| E2008-0403        | 2008/01/30 | ±---            | ±---  | ±---                                  | ±---  | BRIAN RUTLE                                                                                                                   | 10/12/2007 |       |        |              |  |                        |                  |
| DRWN:BRUTLE       | 2008/01/30 | ±---            | ±.010 | ±---                                  | ±.010 | CHECKED BY                                                                                                                    | DATE       |       |        |              |  |                        |                  |
| CHKD:             | 2008/01/30 | ±0.25           | ±.014 | ±---                                  | ±.014 | B. MAGUIRE                                                                                                                    | 12/12/2007 |       |        |              |  |                        |                  |
| APPR:BMAGUIRE     | 2008/01/30 | ±0.35           | ±---  | ±---                                  | ±---  | APPROVED BY                                                                                                                   | DATE       |       |        |              |  |                        |                  |
|                   |            | ANGULAR ± 2 °   |       |                                       |       | B. MAGUIRE                                                                                                                    | 14/12/2007 |       |        |              |  |                        |                  |
|                   |            |                 |       |                                       |       | MATERIAL NO.                                                                                                                  |            |       |        |              |  |                        |                  |
|                   |            |                 |       |                                       |       | SEE CHART                                                                                                                     |            |       |        |              |  |                        |                  |
|                   |            |                 |       |                                       |       | SIZE A2                                                                                                                       |            |       |        |              |  |                        |                  |
|                   |            |                 |       |                                       |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |       |        |              |  |                        |                  |
|                   |            |                 |       |                                       |       | DOCUMENT NO. SD-3069-GN***                                                                                                    |            |       |        |              |  |                        | SHEET NO. 1 OF 2 |



|   | 10              | 9         | 8          | 7               | 6 | 5 | 4 | 3 | 2 | 1 |   |
|---|-----------------|-----------|------------|-----------------|---|---|---|---|---|---|---|
| F | No. OF<br>CCTS. | ENG. No.  | PART No.   | LOCKING<br>RAMP |   |   |   |   |   |   | F |
|   | 2               | 3069-G02  | 09-93-0200 | YES             |   |   |   |   |   |   |   |
|   |                 | ↑ -G022   | ↑ -94-0200 | NO              |   |   |   |   |   |   |   |
|   | 3               | -G03      | -93-0300   | YES             |   |   |   |   |   |   |   |
|   |                 | -G032     | -94-0300   | NO              |   |   |   |   |   |   |   |
|   | 4               | -G04      | -93-0400   | YES             |   |   |   |   |   |   |   |
|   |                 | -G042     | -94-0400   | NO              |   |   |   |   |   |   |   |
|   | 5               | -G05      | -93-0500   | YES             |   |   |   |   |   |   |   |
|   |                 | -G052     | -94-0500   | NO              |   |   |   |   |   |   |   |
|   | 6               | -G06      | -93-0600   | YES             |   |   |   |   |   |   |   |
|   |                 | -G062     | -94-0600   | NO              |   |   |   |   |   |   |   |
|   | 7               | -G07      | -93-0700   | YES             |   |   |   |   |   |   |   |
|   |                 | -G072     | -94-0700   | NO              |   |   |   |   |   |   |   |
|   | 8               | -G08      | -93-0800   | YES             |   |   |   |   |   |   |   |
|   |                 | -G082     | -94-0800   | NO              |   |   |   |   |   |   |   |
|   | 9               | -G09      | -93-0900   | YES             |   |   |   |   |   |   |   |
|   |                 | -G092     | -94-0900   | NO              |   |   |   |   |   |   |   |
|   | 10              | -G10      | -93-1000   | YES             |   |   |   |   |   |   |   |
|   |                 | -G102     | -94-1000   | NO              |   |   |   |   |   |   |   |
|   | 11              | -G11      | -93-1100   | YES             |   |   |   |   |   |   |   |
|   |                 | -G112     | -94-1100   | NO              |   |   |   |   |   |   |   |
|   | 12              | -G12      | -93-1200   | YES             |   |   |   |   |   |   |   |
|   |                 | -G122     | -94-1200   | NO              |   |   |   |   |   |   |   |
|   | 13              | -G13      | -93-1300   | YES             |   |   |   |   |   |   |   |
|   |                 | -G132     | -94-1300   | NO              |   |   |   |   |   |   |   |
|   | 14              | -G14      | -93-1400   | YES             |   |   |   |   |   |   |   |
|   |                 | -G142     | -94-1400   | NO              |   |   |   |   |   |   |   |
|   | 15              | -G15      | -93-1500   | YES             |   |   |   |   |   |   |   |
|   |                 | -G152     | -94-1500   | NO              |   |   |   |   |   |   |   |
|   | 16              | -G16      | -93-1600   | YES             |   |   |   |   |   |   |   |
|   |                 | -G162     | -94-1600   | NO              |   |   |   |   |   |   |   |
|   | 17              | -G17      | -93-1700   | YES             |   |   |   |   |   |   |   |
|   |                 | -G172     | -94-1700   | NO              |   |   |   |   |   |   |   |
|   | 18              | -G18      | -93-1800   | YES             |   |   |   |   |   |   |   |
|   |                 | -G182     | -94-1800   | NO              |   |   |   |   |   |   |   |
|   | 19              | -G19      | -93-1900   | YES             |   |   |   |   |   |   |   |
|   |                 | -G192     | -94-1900   | NO              |   |   |   |   |   |   |   |
|   | 20              | ↓ -G20    | ↓ -93-2000 | YES             |   |   |   |   |   |   |   |
|   |                 | 3069-G202 | 09-94-2000 | NO              |   |   |   |   |   |   |   |
| E |                 |           |            |                 |   |   |   |   |   |   | E |
|   |                 |           |            |                 |   |   |   |   |   |   |   |
| D |                 |           |            |                 |   |   |   |   |   |   | D |
|   |                 |           |            |                 |   |   |   |   |   |   |   |
| C |                 |           |            |                 |   |   |   |   |   |   | C |
|   |                 |           |            |                 |   |   |   |   |   |   |   |
| B |                 |           |            |                 |   |   |   |   |   |   | B |
|   |                 |           |            |                 |   |   |   |   |   |   |   |
| A |                 |           |            |                 |   |   |   |   |   |   | A |
|   |                 |           |            |                 |   |   |   |   |   |   |   |

SEE SHEET 1

EC NO: E2008-0403

DRWN:BRUTTLE

CHKD:

APPR:BMAGUIRE

REV

2008/01/30

2008/01/30

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽=0

2008/01/30

GENERAL TOLERANCES (UNLESS SPECIFIED)

|               |        |        |
|---------------|--------|--------|
|               | mm     | INCH   |
| 4 PLACES      | ± ---  | ± ---  |
| 3 PLACES      | ± ---  | ± .010 |
| 2 PLACES      | ± 0.25 | ± .014 |
| 1 PLACE       | ± 0.35 | ± ---  |
| ANGULAR ± 2 ° |        |        |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM/IN

|              |            |
|--------------|------------|
| DRAWN BY     | DATE       |
| BRIAN RUTTLE | 10/12/2007 |
| CHECKED BY   | DATE       |
| B. MAGUIRE   | 12/12/2007 |
| APPROVED BY  | DATE       |
| B. MAGUIRE   | 14/12/2007 |
| MATERIAL NO. |            |

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

HOUSING KK CONNECTOR (3.96)/0.156 CRIMP 750 GLOW WIRE VERSION

MOLEX INCORPORATED

DOCUMENT NO.

SD-3069-GN\*\*\*

SHEET NO.

2 OF 2

SIZE

A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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- 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.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## 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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