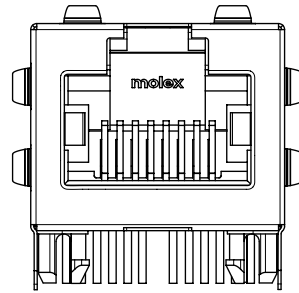
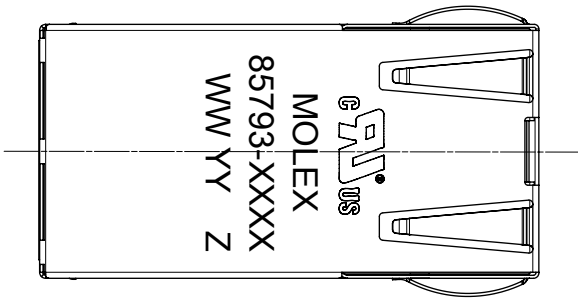
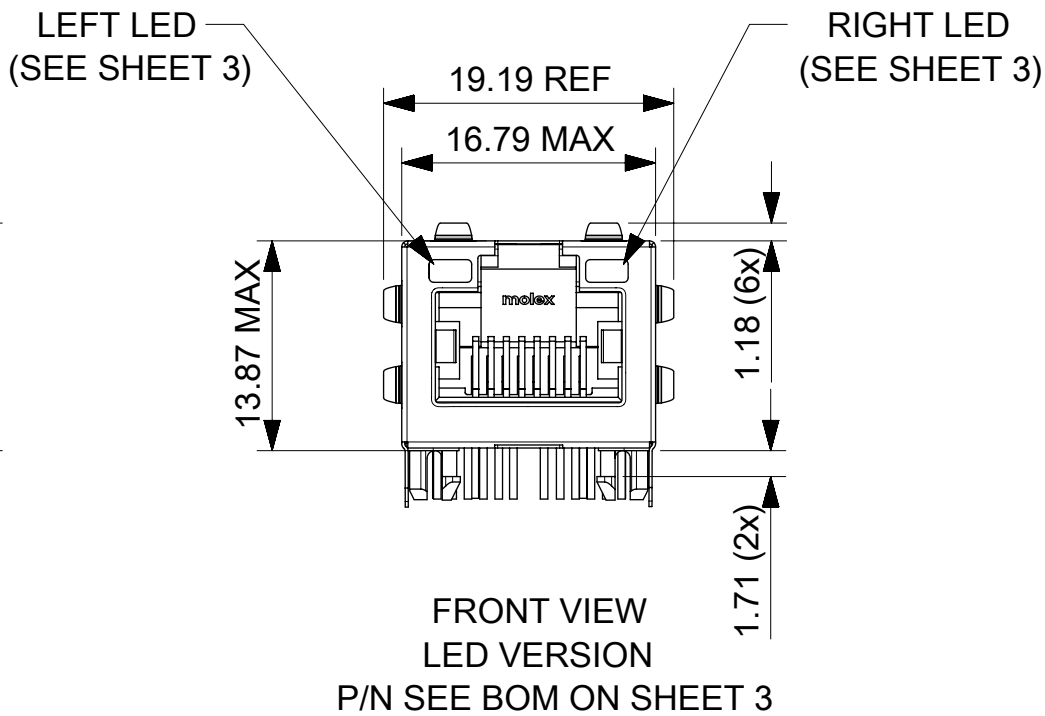
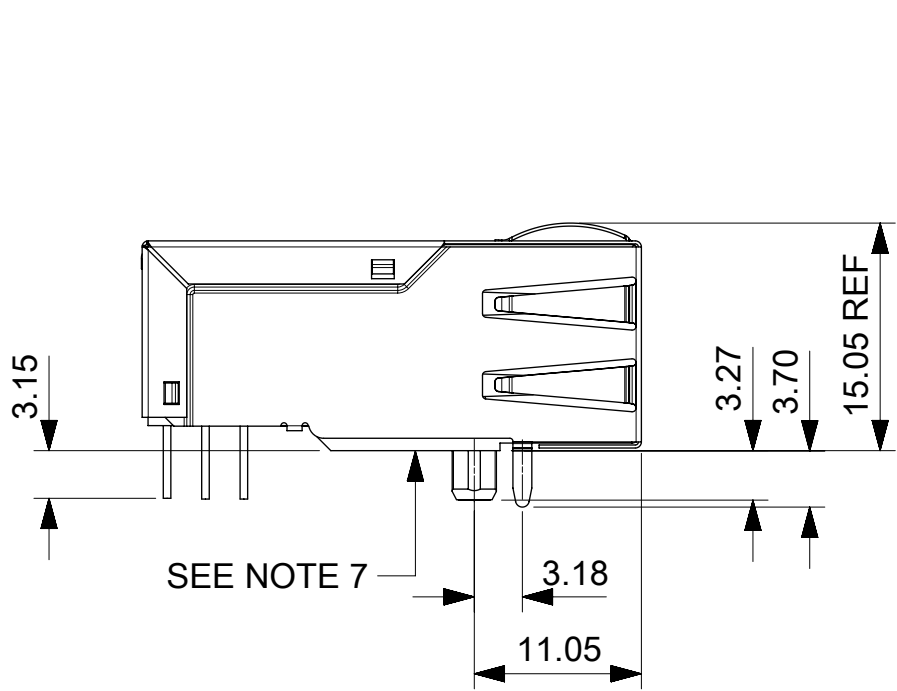


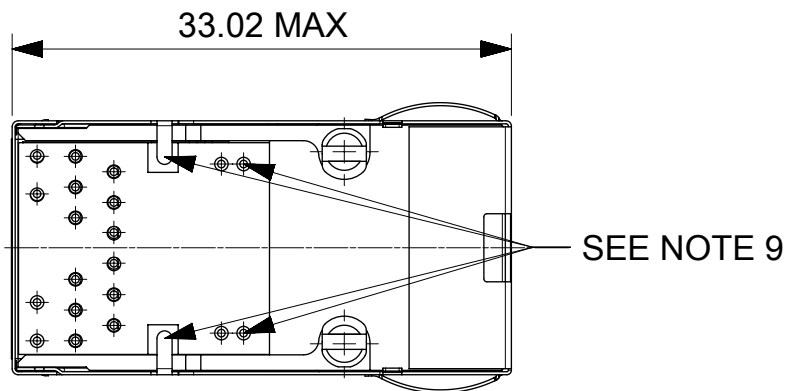
GIGABIT MAGNETIC JACK 1x1 LED



FRONT VIEW  
NON LED VERSION  
P/N 85793-1020

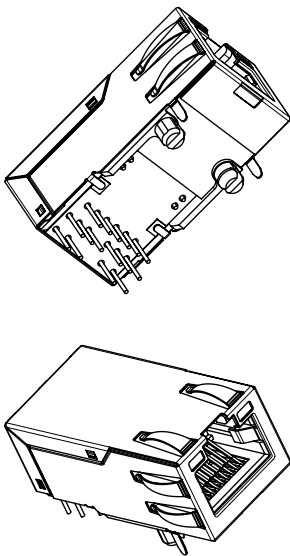


FRONT VIEW  
LED VERSION  
P/N SEE BOM ON SHEET 3

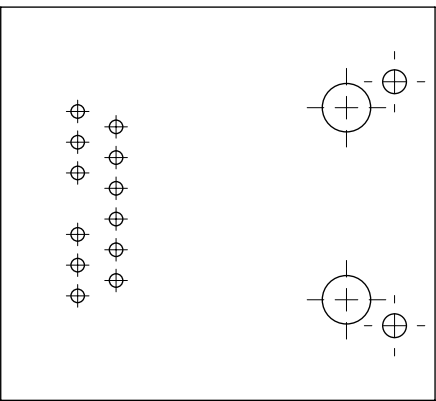
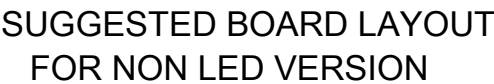


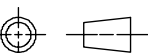
- NOTES:
- 1 - SHIELD MATERIAL: STAINLESS STEEL  
(GROUND PINS ARE SOLDER DIPPED)
  - 2 - PLASTIC MATERIAL: PBT, BLACK, UL 94V-0
  - 3 - RJ45 TERMINALS MATERIAL: COPPER ALLOY  
CONTACT PLATING: 0.76 MICROMETER GOLD  
OVER 1.9 MICROMETER NICKEL  
PHY TERMINALS: TIN PLATED
  - 4 - MATING INTERFACE ACCORDING TO IEC 60603-7
  - 5 - PRODUCT SPECIFICATION: PS-85793-001
  - 6 - PACKAGING SPECIFICATION: PK-85759-001
  - 7 - STAND OFF TO SYSTEM BOARD
  - 8 - RECOMMENDED PCB THICKNESS: 1.6mm
  - 9 - SHIELD LATCHES: AVOID TO ROUTE  
TRACES OR TO PLACE ANY VIAS OR PADS  
BELOW THESE LATCHES
  - 10 - INSCRIPTION MARKED BY LASER:  
UL LOGO  
1st : MOLEX  
2st : P/N (SEE BOM)  
3rd : DATE CODE(WEEK/YEAR)

SCALE 1:1

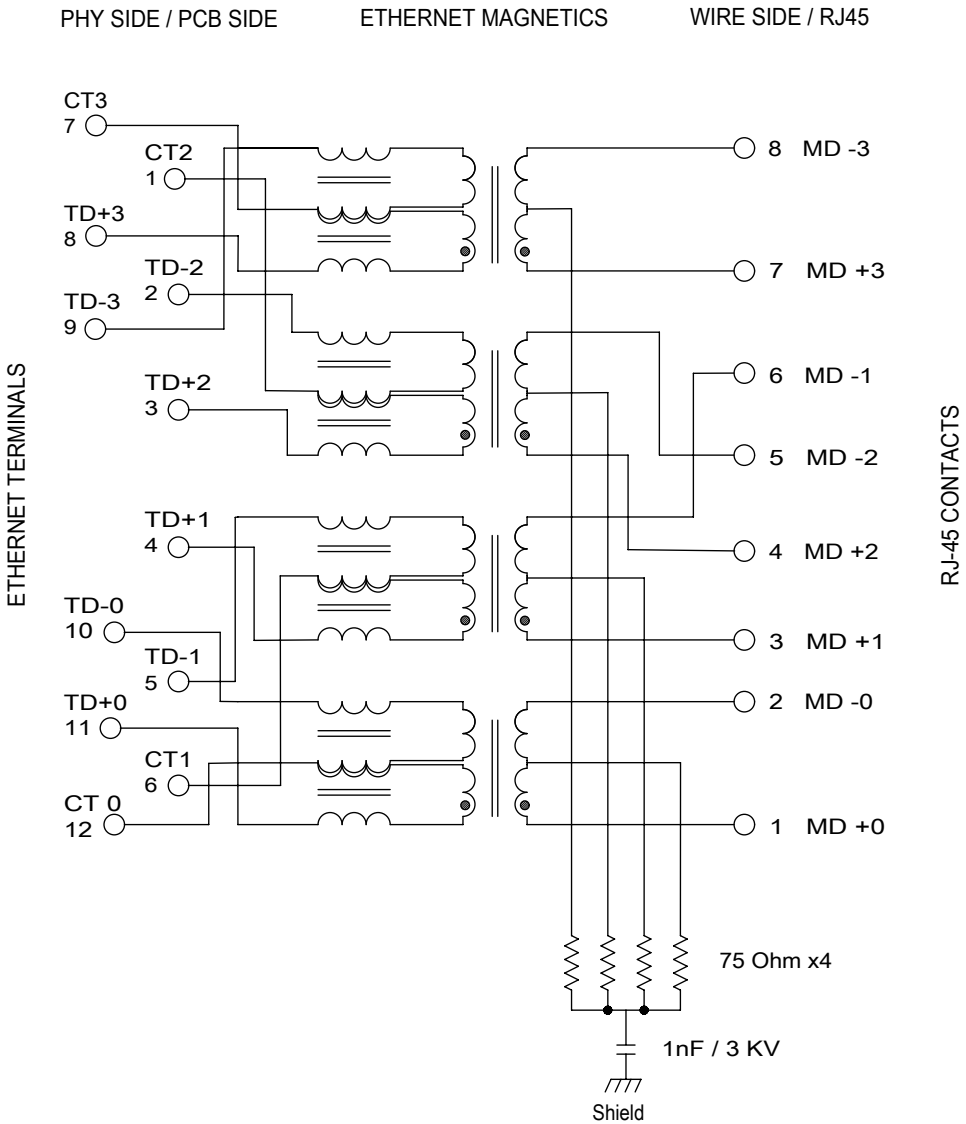
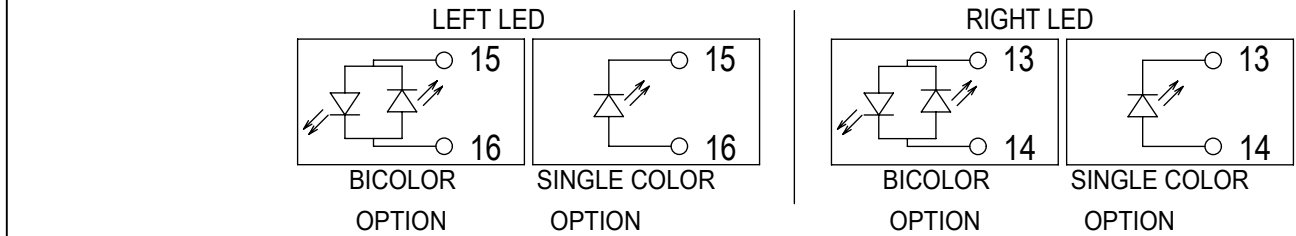


| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |            |                                                            |                                       |              |                 |                          |            |                    |                               |          |          |              |  |
|-------------------------------------------------------------------------------------------------------------------------------|----------|------------|------------------------------------------------------------|---------------------------------------|--------------|-----------------|--------------------------|------------|--------------------|-------------------------------|----------|----------|--------------|--|
| EC DESCRIPTION<br>EC NO: 101432<br>DRWN: MFURKEL<br>CHK'D:<br>APPR:                                                           |          | 2015/09/24 | QUALITY SYMBOLS                                            | GENERAL TOLERANCES (UNLESS SPECIFIED) |              | DIMENSION UNITS |                          | SCALE      |                    | <div>molex</div>              |          |          |              |  |
|                                                                                                                               |          |            |                                                            |                                       |              | MM              | 2:1                      |            |                    |                               |          |          |              |  |
|                                                                                                                               |          |            | = 0                                                        | ANGULAR TOL ± 0.5 °                   |              | DRWN BY         |                          | DATE       |                    | GIGABIT MAGNETIC JACK 1X1 LED |          |          |              |  |
|                                                                                                                               |          |            | = 0                                                        |                                       |              | MFURKEL         |                          | 2015/06/15 |                    |                               |          |          |              |  |
|                                                                                                                               |          |            | = 0                                                        | 4 PLACES                              | ±            | CHK'D BY        |                          | DATE       |                    |                               |          |          |              |  |
| = 0                                                                                                                           | 3 PLACES | ±          | APPR BY                                                    |                                       | DATE         |                 | PRODUCT CUSTOMER DRAWING |            |                    |                               |          |          |              |  |
| = 0                                                                                                                           | 2 PLACES | ± 0.25     |                                                            |                                       |              |                 |                          |            |                    |                               |          |          |              |  |
| = 0                                                                                                                           | 1 PLACE  | ± 0.5      | RSILLER                                                    |                                       | 2015/07/02   |                 | SERIES                   |            | MATERIAL NUMBER    |                               | CUSTOMER |          |              |  |
| = 0                                                                                                                           | 0 PLACES | ±          |                                                            |                                       |              |                 | 85793                    |            | SEE BOM/ SHEET 3/4 |                               |          |          |              |  |
| D                                                                                                                             | REV      | APPR:      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | DRAWING SIZE |                 | THIRD ANGLE PROJECTION   |            | DOCUMENT NUMBER    |                               | DOC TYPE | DOC PART | SHEET NUMBER |  |
|                                                                                                                               |          |            |                                                            |                                       | A3           |                 |                          |            | 857931001          |                               | PSD      | 000      | 1 OF 4       |  |
|                                                                                                                               |          |            |                                                            |                                       |              |                 |                          |            |                    |                               |          |          |              |  |



|                                                                                                                               |  |                                                            |  |                                       |  |                 |  |              |  |                                                                                       |  |                               |  |                          |  |          |  |              |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|---------------------------------------|--|-----------------|--|--------------|--|---------------------------------------------------------------------------------------|--|-------------------------------|--|--------------------------|--|----------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                            |  |                                       |  |                 |  |              |  |                                                                                       |  |                               |  |                          |  |          |  |              |  |
| EC DESCRIPTION<br>EC NO: 101432<br>DRWN: MFURKEL<br>CHK'D:<br>APPR:                                                           |  | QUALITY SYMBOLS                                            |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION UNITS |  | SCALE        |  | <div>molex</div>                                                                      |  |                               |  |                          |  |          |  |              |  |
|                                                                                                                               |  |                                                            |  |                                       |  | MM              |  | 2:1          |  |                                                                                       |  |                               |  |                          |  |          |  |              |  |
|                                                                                                                               |  | ▽ = 0                                                      |  | ANGULAR TOL ± 0.5 °                   |  | DRWN BY         |  |              |  | DATE                                                                                  |  | GIGABIT MAGNETIC JACK 1X1 LED |  |                          |  |          |  |              |  |
|                                                                                                                               |  | ▽ = 0                                                      |  |                                       |  | MFURKEL         |  |              |  | 2015/06/15                                                                            |  |                               |  |                          |  |          |  |              |  |
|                                                                                                                               |  | ▽ = 0                                                      |  |                                       |  | CHK'D BY        |  |              |  | DATE                                                                                  |  |                               |  |                          |  |          |  |              |  |
|                                                                                                                               |  | ▼ = 0                                                      |  | 4 PLACES                              |  | ±               |  | APPR BY      |  |                                                                                       |  | DATE                          |  | PRODUCT CUSTOMER DRAWING |  |          |  |              |  |
|                                                                                                                               |  | ▽ = 0                                                      |  | 3 PLACES                              |  | ±               |  | RSILLER      |  |                                                                                       |  | 2015/07/02                    |  |                          |  |          |  |              |  |
|                                                                                                                               |  | ▣ = 0                                                      |  | 2 PLACES                              |  | ± 0.25          |  | DRAWING SIZE |  | THIRD ANGLE PROJECTION                                                                |  | SERIES                        |  | MATERIAL NUMBER          |  | CUSTOMER |  |              |  |
|                                                                                                                               |  | ▣ = 0                                                      |  | 1 PLACE                               |  | ± 0.5           |  |              |  |                                                                                       |  | 85793                         |  | SEE BOM/ SHEET 3/4       |  |          |  |              |  |
|                                                                                                                               |  | ▣ = 0                                                      |  | 0 PLACES                              |  | ±               |  | A3           |  |  |  | DOCUMENT NUMBER               |  | DOC TYPE                 |  | DOC PART |  | SHEET NUMBER |  |
| ▽ = 0                                                                                                                         |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | 857931001                             |  | PSD             |  |              |  |                                                                                       |  | 000                           |  | 2 OF 4                   |  |          |  |              |  |

|                                      |                    |                          |
|--------------------------------------|--------------------|--------------------------|
| 9                                    | 8                  | 7                        |
| Electrical Specifications @25°C      |                    |                          |
| Operating temperature (0°C to +70°C) |                    |                          |
| Description                          | VALUE              |                          |
| OCL 8mA bias<br>(0°C to +70°C)       | 350μH min.         |                          |
| Turns Ratio                          | 1CT:1CT            |                          |
| Insertion Loss                       |                    |                          |
| Frequency (MHz)                      | Limits (dB max.)   | Typical Values (dB max.) |
| 1.0-9.9 MHz                          | 0.4+0.1*log(F)     | 0.5 @ 10MHz              |
| 10-49.9 MHz                          | 0.5+0.3*log(F/10)  | 0.7 @ 50MHz              |
| 50-79.9 MHz                          | 1+1.4*log(F/80)    | 1.0 @ 80MHz              |
| 80-100 MHz                           | 1.3+3*log(F/100)   | 1.3 @ 100MHz             |
| Return Loss                          |                    |                          |
| Frequency (MHz)                      | Limits (dB min.)   | TYPICAL Values (dB min.) |
| 1-9.9 MHz                            | 27dB min.          | 27 @ 10MHz               |
| 10-100 MHz                           | 27-17*log(F/10)    | 10 @ 100MHz              |
| CMR                                  |                    |                          |
| Frequency (MHz)                      | Limits (dB min.)   | TYPICAL Values (dB min.) |
| 1-9.9 MHz                            | 34dB min.          | 34 @ 10MHz               |
| 10-79.9 MHz                          | 27dB min.          | 27 @ 80MHz               |
| 80-199.9 MHz                         | 27-14.5*log(F/80)  | 21.5 @ 200MHz            |
| 200-399.9 MHz                        | 21.5-39*log(F/200) | 10 @ 400MHz              |
| 400-1000 MHz                         | 10                 | 10 @ 1000MHz             |
| NEXT                                 |                    |                          |
| Frequency (MHz)                      | Limits (dB min.)   | TYPICAL Values (dB min.) |
| 1-5.9 MHz                            | 50                 | 50 @ 6MHz                |
| 6-49.9 MHz                           | 45-16*log(F/10)    | 34 @ 50MHz               |
| 50-100 MHz                           | 25-30*log(F/100)   | 25 @ 100MHz              |
| Isolation PHY to Wire side           | 2.25kVDC/60sec     |                          |



| STANDARD VERSION |               |       |       |               |       |       |
|------------------|---------------|-------|-------|---------------|-------|-------|
| PART NUMBER      | LED1 POLARITY |       |       | LED2 POLARITY |       |       |
|                  | LEFT LED      |       |       | RIGHT LED     |       |       |
|                  | PIN15         | PIN16 | COLOR | PIN13         | PIN14 | COLOR |
| 857931001        | -             | +     | GRN   | -             | +     | GRN   |
| 0°C~+70°C        |               |       |       |               |       |       |
| 857931003        | -             | +     | GRN   | -             | +     | GRN   |
| 0°C~+70°C        | +             | -     | ORG   |               |       |       |
| 857931006        | -             | +     | GRN   | -             | +     | YW    |
| 0°C~+70°C        |               |       |       |               |       |       |
| 857931007        | -             | +     | GRN   | -             | +     | GRN   |
| 0°C~+70°C        | +             | -     | YW    |               |       |       |
| 857931010        | -             | +     | GRN   | -             | +     | YW    |
| 0°C~+70°C        | +             | -     | YW    | +             | -     | GRN   |
| 857931012        | -             | +     | YW    | -             | +     | GRN   |
| 0°C~+70°C        | +             | -     | GRN   |               |       |       |
| 857931013        | -             | +     | YW    | -             | +     | YW    |
| 0°C~+70°C        | +             | -     | GRN   | +             | -     | GRN   |
| 857931014        | -             | +     | YW    | -             | +     | GRN   |
| 0°C~+70°C        |               |       |       |               |       |       |
| 857931020        | NON LED       |       |       |               |       |       |
| 0°C~+70°C        |               |       |       |               |       |       |

ADDITIONAL LED COLORS AND CONFIGURATIONS  
ARE AVAILABLE ON REQUEST

|                                                                                                                               |  |                 |  |                                                            |  |                 |  |          |  |                  |  |                               |  |                          |  |                        |  |              |  |
|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|------------------------------------------------------------|--|-----------------|--|----------|--|------------------|--|-------------------------------|--|--------------------------|--|------------------------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                 |  |                                                            |  |                 |  |          |  |                  |  |                               |  |                          |  |                        |  |              |  |
| EC DESCRIPTION<br>EC NO: 101432<br>DRWN: MFURKEL<br>CHK'D:<br>APPR:                                                           |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION UNITS |  | SCALE    |  | <div>molex</div> |  |                               |  |                          |  |                        |  |              |  |
|                                                                                                                               |  |                 |  |                                                            |  | MM              |  | 5:1      |  |                  |  |                               |  |                          |  |                        |  |              |  |
|                                                                                                                               |  | ▽ = 0           |  | ANGULAR TOL ± 0.5 °                                        |  | DRWN BY         |  |          |  | DATE             |  | GIGABIT MAGNETIC JACK 1X1 LED |  |                          |  |                        |  |              |  |
|                                                                                                                               |  | ▽ = 0           |  |                                                            |  | MFURKEL         |  |          |  | 2015/06/15       |  |                               |  |                          |  |                        |  |              |  |
|                                                                                                                               |  | ▽ = 0           |  | 4 PLACES                                                   |  | ±               |  | CHK'D BY |  |                  |  |                               |  |                          |  | DATE                   |  |              |  |
|                                                                                                                               |  | ▼ = 0           |  | 3 PLACES                                                   |  | ±               |  | APPR BY  |  |                  |  | DATE                          |  | PRODUCT CUSTOMER DRAWING |  |                        |  |              |  |
|                                                                                                                               |  | ▽ = 0           |  | 2 PLACES                                                   |  | ± 0.25          |  |          |  |                  |  |                               |  |                          |  |                        |  |              |  |
|                                                                                                                               |  | ▽ = 0           |  | 1 PLACE                                                    |  | ± 0.5           |  | RSILLER  |  |                  |  | 2015/07/02                    |  | SERIES                   |  | MATERIAL NUMBER        |  | CUSTOMER     |  |
|                                                                                                                               |  | ☒ = 0           |  | 0 PLACES                                                   |  | ±               |  |          |  |                  |  |                               |  | DRAWING SIZE             |  | THIRD ANGLE PROJECTION |  | 85793        |  |
|                                                                                                                               |  | ■ = 0           |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | A3              |  |          |  | DOCUMENT NUMBER  |  |                               |  | DOC TYPE                 |  | DOC PART               |  | SHEET NUMBER |  |
| ▽ = 0                                                                                                                         |  | 857931001       |  |                                                            |  |                 |  |          |  | PSD              |  | 000                           |  | 3 OF 4                   |  |                        |  |              |  |



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.);

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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