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## NOTES:-

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR RoHS COMPATIBLE VERSION.

PRODUCT NUMBER BPS8B21FLD-C0--LF

WITH "LF" SUFFIX LEAD FREE OR RoHS COMPATIBLE PRODUCT

| WIRE ACCOMODATION |           |                        | CONTACT PLATING |                                |
|-------------------|-----------|------------------------|-----------------|--------------------------------|
| PRODUCT NUMBER    | WIRE SIZE | CONTACT IDENTIFICATION | PLATING CODE    | PERFORMANCE LEVEL PER DIN41612 |
| BPS8B21FLD0C0--LF | AWG28/30  | 0                      | Z0              | CLASS 3                        |
| BPS8B21FLD2C0--LF | AWG24/26  | 2                      | Z1              | CLASS 2                        |
|                   |           |                        | E9              | CLASS 1                        |

## PERFORMANCES CHARACTERISTICS

VOLTAGE RATING : 250 VAC (rms)  
CURRENT RATING : 1,5 A AT 25 °C, 1 A AT 70 °C.  
INSULATION RESISTANCE : 1000MΩINITIAL, 100MΩMIN. AFTER TEST  
DIELECTRIC WITH--  
STANDING VOLTAGE : 1000 VAC (rms).  
CONTACT RESISTANCE : 15mΩMAX. INITIAL, 5mΩMAX. RISE OF INITIAL VALUE AFTER TEST.  
OPERATING TEMPERATURE\*: -40 °C TO +125 °C.  
INSERTION FORCE : 1 N MAX./CONTACT.  
WITHDRAWAL FORCE : 0,2 N MIN./CONTACT.

\*DEPENDING ON THE CABLE, THE MAX. TEMPERATURE CAN BE LOWER.  
FOR STANDARD PVC INSULATED CABLE : 105 °C MAX.

## CONSTRUCTION

BODY MATERIAL : GLASS-REINFORCED THERMOPLASTIC (UL94V-0).  
COVER MATERIAL : POLYESTER (PBTP), COLOUR : BLACK.  
CONTACT MATERIAL : PHOSPHOR BRONZE.  
CONTACT FINISH : Au OVER Ni IN CONTACT AREA  
Sn (MATT TIN) ON I.D.C. TERMINAL  
Z0 : PERFORMANCE LEVEL PER DIN41612 CLASS 3  
Z1 : PERFORMANCE LEVEL PER DIN41612 CLASS 2  
E9 : PERFORMANCE LEVEL PER DIN41612 CLASS 1  
OTHERS : CONSULT FCI  
TIE-WRAP : OPTIONAL PART N°. TF3.

## PART NUMBERS

BPS8B21FLD0C0--LF CONNECTOR FOR WIRE SIZE AWG28, AWG30.  
(CONTACT IDENTIFICATION : 0).  
BPS8B21FLD2C0--LF CONNECTOR FOR WIRE SIZE AWG24, AWG26  
(CONTACT IDENTIFICATION : 2).

## AWG WIRE SIZE MARKING

BPS8B21FLD0C0--LF : 28/30.  
BPS8B21FLD2C0--LF : 24/26.

## DATECODE MARKING

A + YEAR & WEEKCODE, EXAMPLE : A9950.

|             |          |          |            |                   |               |                     |            |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
|-------------|----------|----------|------------|-------------------|---------------|---------------------|------------|------------|--|-----------------------------------|--------|------|--|--|--|--|--------------|--|------|--|--|
| mat'l. code |          |          |            | surface           |               | tolerance           |            | projection |  | product family                    |        |      |  |  |  |  |              |  |      |  |  |
| SEE NOTE    |          |          |            | ISO 1302          |               | ISO 406             |            | ISO 1101   |  |                                   |        | BPS8 |  |  |  |  |              |  |      |  |  |
| ltr         | ecn no   | dr       | date       | tolerances unless |               | otherwise specified |            |            |  | title                             |        |      |  |  |  |  |              |  |      |  |  |
| A           | F00819   | DLE      | 2000-10-23 | angles            | linear        | 0.1±0.2             |            | mm         |  | ASSY BPS8<br>21 POS. A,B,C LOADED |        |      |  |  |  |  |              |  |      |  |  |
| B           | I05-0123 | MINI     | 2005-07-27 |                   |               | 0.01±0.1            |            |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
| C           | I06-0067 | MINI     | 2006-06-01 |                   |               | ±1°                 |            |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
| D           | I07-0081 | KR       | 2007-06-28 | dr                | D.LEGRAND     |                     | 2000-10-23 |            |  |                                   | dwg no |      |  |  |  |  | sheet 1 of 3 |  | size |  |  |
|             |          |          |            | enrg              | J.F.NOTTEAU   |                     | 2000-10-23 |            |  |                                   | 55355  |      |  |  |  |  | A3           |  |      |  |  |
|             |          |          |            | chr               | RAKHEE GEORGE |                     | 2007-06-28 |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
|             |          |          |            | appd              | RAKHEE GEORGE |                     | 2007-06-28 |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
| sheet index |          | revision |            | D                 | D             | D                   |            |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |
| sheet       |          |          |            | 1                 | 2             | 3                   |            |            |  |                                   |        |      |  |  |  |  |              |  |      |  |  |

PDM: Rev:D

STATUS: Released Printed: May 14, 2011



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PRODUCT NUMBER BPS8B21FLD-00--LF

WITH "LF" SUFFIX

LEAD FREE OR RoHS  
COMPATIBLE PRODUCT

| WIRE ACCOMODATION |           |                        |
|-------------------|-----------|------------------------|
| PRODUCT NUMBER    | WIRE SIZE | CONTACT IDENTIFICATION |
| BPS8B21FLD000--LF | AWG28/30  | 0                      |
| BPS8B21FLD200--LF | AWG24/26  | 2                      |

| CONTACT PLATING |                                |
|-----------------|--------------------------------|
| PLATING CODE    | PERFORMANCE LEVEL PER DIN41612 |
| Z0              | CLASS 3                        |
| Z1              | CLASS 2                        |
| E9              | CLASS 1                        |

#### NOTES:-

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR RoHS COMPATIBLE VERSION.

#### PERFORMANCES CHARACTERISTICS

VOLTAGE RATING : 250 VAC (rms)  
CURRENT RATING : 1,5 A AT 25 °C, 1 A AT 70 °C.  
INSULATION RESISTANCE : 1000MΩINITIAL, 100MΩMIN. AFTER TEST  
DIELECTRIC WITH-  
STANDING VOLTAGE : 1000 VAC (rms).  
CONTACT RESISTANCE : 15 mΩMAX. INITIAL, 5mΩMAX. RISE OF INITIAL VALUE AFTER TEST.

OPERATING TEMPERATURE\*: -40 °C TO +125 °C.

INSERTION FORCE : 1 N MAX./CONTACT.

WITHDRAWAL FORCE : 0,2 N MIN./CONTACT.

\*DEPENDING ON THE CABLE, THE MAX. TEMPERATURE CAN BE LOWER.  
FOR STANDARD PVC INSULATED CABLE : 105 °C MAX.

#### CONSTRUCTION

BODY MATERIAL : GLASS-REINFORCED THERMOPLASTIC (UL94V-0).

CONTACT MATERIAL : PHOSPHOR BRONZE.

CONTACT FINISH : Au OVER Ni IN CONTACT AREA

Sn (MATT TIN) ON I.D.C. TERMINAL

Z0 : PERFORMANCE LEVEL PER DIN41612 CLASS 3

Z1 : PERFORMANCE LEVEL PER DIN41612 CLASS 2

E9 : PERFORMANCE LEVEL PER DIN41612 CLASS 1

OTHERS : CONSULT FCI

#### PART NUMBERS

BPS8B21FLD000--LF CONNECTOR FOR WIRE SIZE AWG28, AWG30.  
(CONTACT IDENTIFICATION : 0).

BPS8B21FLD200--LF CONNECTOR FOR WIRE SIZE AWG24, AWG26  
(CONTACT IDENTIFICATION : 2).

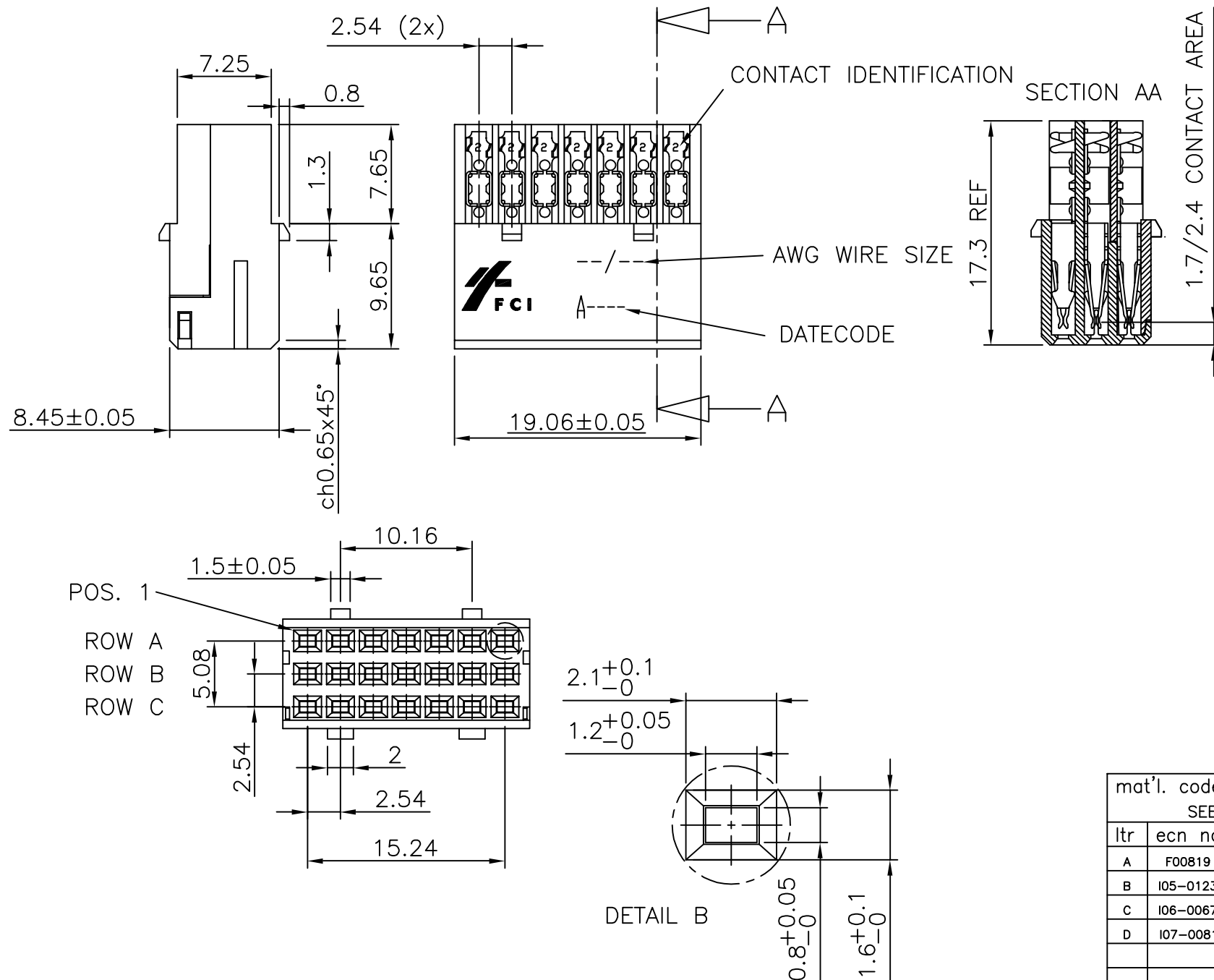
#### AWG WIRE SIZE MARKING

BPS8B21FLD000--LF : 28/30

BPS8B21FLD200--LF : 24/26

#### DATECODE MARKING

A + YEAR & WEEKCODE, EXAMPLE : A9950.



|             |          |                |            |                                       |  |                  |  |            |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |
|-------------|----------|----------------|------------|---------------------------------------|--|------------------|--|------------|--|------------------------------------------------|--|---------------------|--|--|--|--|--|--------------------------------|--|----------|--|
| mat'l. code |          |                |            | surface                               |  | tolerance        |  | projection |  | product family                                 |  |                     |  |  |  |  |  |                                |  |          |  |
| SEE NOTE    |          |                |            | ISO 1302 ✓                            |  | ISO 406 ISO 1101 |  |            |  | BPS8                                           |  |                     |  |  |  |  |  |                                |  |          |  |
| ltr         | ecn no   | dr             | date       | tolerances unless otherwise specified |  | angles<br>linear |  |            |  | title<br><br>ASSY BPS8<br>21 POS. A,B,C LOADED |  |                     |  |  |  |  |  |                                |  |          |  |
| A           | F00819   | DLE            | 2000-10-19 |                                       |  |                  |  |            |  |                                                |  |                     |  |  |  |  |  |                                |  | 0.1±0.2  |  |
| B           | I05-0123 | MINI           | 2005-07-27 |                                       |  |                  |  |            |  |                                                |  |                     |  |  |  |  |  |                                |  | 0.01±0.1 |  |
| C           | I06-0067 | MINI           | 2006-06-01 | ±1°                                   |  |                  |  |            |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |
| D           | I07-0081 | KR             | 2007-06-28 | dr                                    |  | D.LEGRAND        |  | 2000-10-19 |  |                                                |  | dwg no<br><br>55355 |  |  |  |  |  | sheet 2 of 3<br><br>size<br>A3 |  |          |  |
|             |          |                |            | enr                                   |  | J.F.NOTTEAU      |  | 2000-10-19 |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |
|             |          |                |            | chr                                   |  | RAKHEE GEORGE    |  | 2007-06-28 |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |
|             |          |                |            | appd                                  |  | RAKHEE GEORGE    |  | 2007-06-28 |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |
| sheet index |          | revision sheet |            |                                       |  |                  |  |            |  |                                                |  |                     |  |  |  |  |  |                                |  |          |  |



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form: A3

1

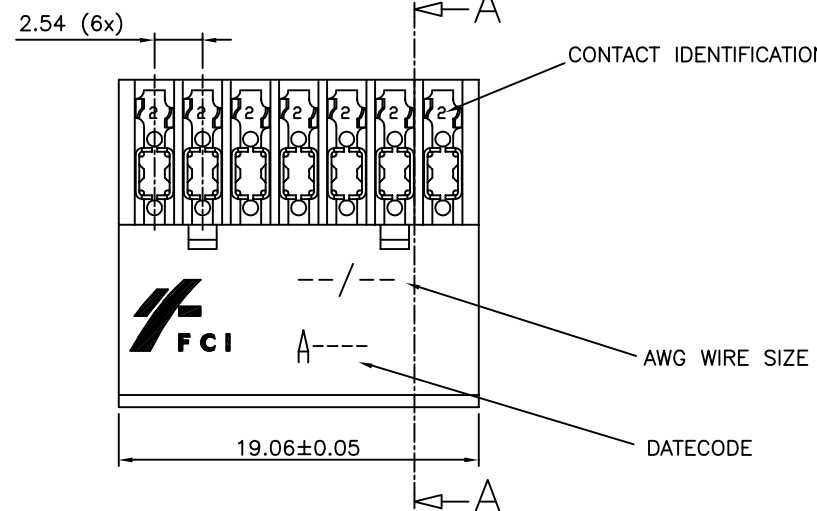
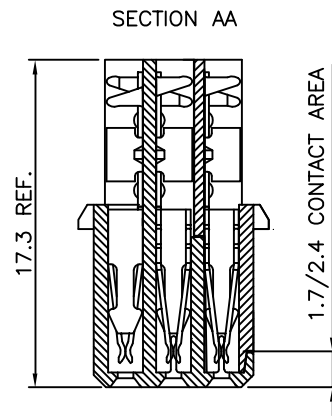
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NOTES:-

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR RoHS COMPATIBLE VERSION.

PRODUCT NUMBER BPS8B21FLD-M0--LF

WITH "LF" SUFFIX LEAD FREE OR RoHS COMPATIBLE PRODUCT

| WIRE ACCOMODATION |           |                        |
|-------------------|-----------|------------------------|
| PRODUCT NUMBER    | WIRE SIZE | CONTACT IDENTIFICATION |
| BPS8B21FLD0M0--LF | AWG28/30  | 0                      |
| BPS8B21FLD2M0--LF | AWG24/26  | 2                      |

| CONTACT PLATING |                                |
|-----------------|--------------------------------|
| PLATING CODE    | PERFORMANCE LEVEL PER DIN41612 |
| Z0              | CLASS 3                        |
| Z1              | CLASS 2                        |
| E9              | CLASS 1                        |

PERFORMANCES CHARACTERISTICS

VOLTAGE RATING : 250 VAC (rms)  
CURRENT RATING : 1,5 A AT 25 °C, 1 A AT 70 °C.  
INSULATION RESISTANCE : 1000MΩINITIAL, 100MΩMIN. AFTER TEST  
DIELECTRIC WITHSTANDING VOLTAGE : 1000 VAC (rms).  
CONTACT RESISTANCE : 15mΩMAX. INITIAL, 5mΩMAX. RISE OF INITIAL VALUE AFTER TEST.  
OPERATING TEMPERATURE\*: -40 °C TO +125 °C.  
INSERTION FORCE : 1 N MAX./CONTACT.  
WITHDRAWAL FORCE : 0,2 N MIN./CONTACT.

\*DEPENDING ON THE CABLE, THE MAX. TEMPERATURE CAN BE LOWER.

FOR STANDARD PVC INSULATED CABLE : 105 °C MAX.

CONSTRUCTION

BODY MATERIAL : GLASS-REINFORCED THERMOPLASTIC (UL94V-0).  
COVER MATERIAL : Ni PLATED ABS MATERIAL  
CONTACT MATERIAL : PHOSPHOR BRONZE.  
CONTACT FINISH : Au OVER Ni IN CONTACT AREA

Sn (MATT TIN) ON I.D.C. TERMINAL

Z0 : PERFORMANCE LEVEL PER DIN41612 CLASS 3

Z1 : PERFORMANCE LEVEL PER DIN41612 CLASS 2

E9 : PERFORMANCE LEVEL PER DIN41612 CLASS 1

OTHERS : CONSULT FCI

TIE-WRAP : OPTIONAL (PART N°. TF3)

PART NUMBERS

BPS8B21FLD0M0--LF CONNECTOR FOR WIRE SIZE AWG28, AWG30.  
(CONTACT IDENTIFICATION : 0).

BPS8B21FLD2M0--LF CONNECTOR FOR WIRE SIZE AWG24, AWG26  
(CONTACT IDENTIFICATION : 2).

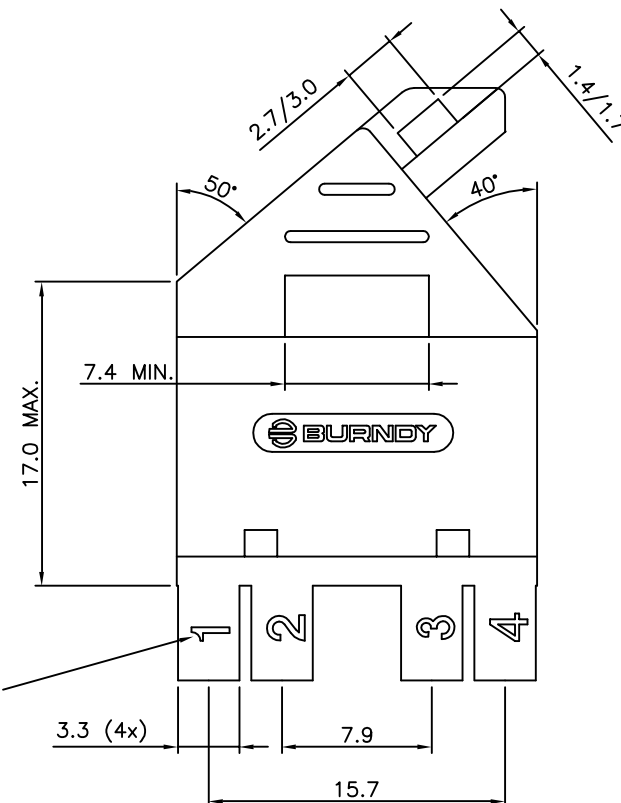
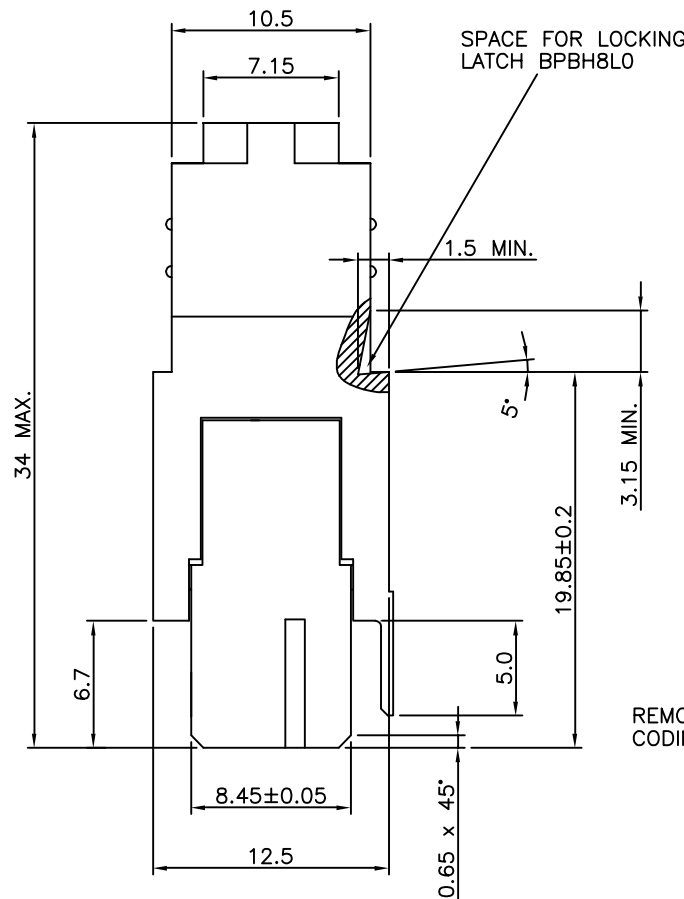
AWG WIRE SIZE MARKING

BPS8B21FLD0M0--LF : 28/30.

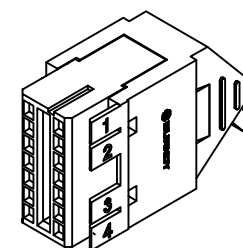
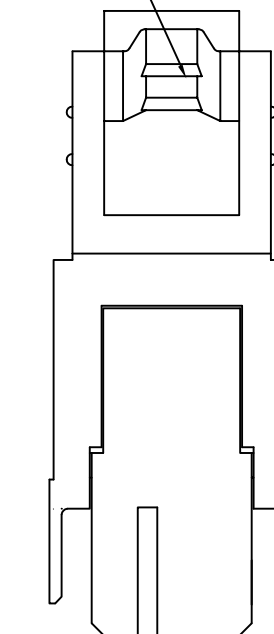
BPS8B21FLD2M0--LF : 24/26.

DATECODE MARKING

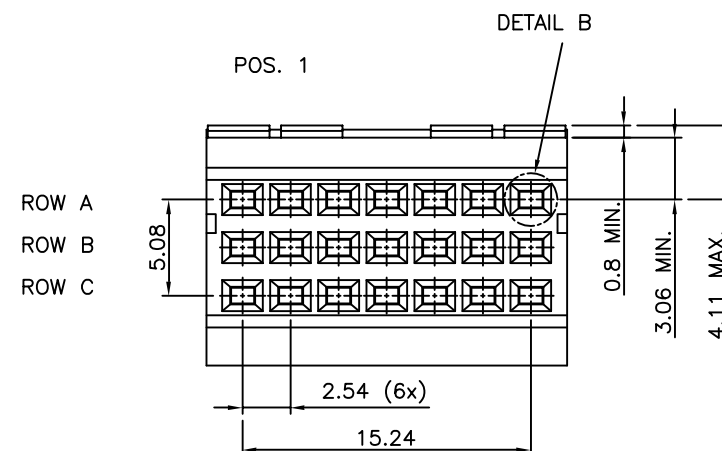
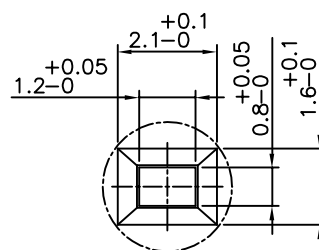
A + YEAR & WEEKCODE, EXAMPLE : A9950.

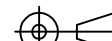


CABLE Ø 7.0 MAX.



DETAIL B



|                         |  |                |  |                       |  |                               |  |                                                                                                     |  |                        |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
|-------------------------|--|----------------|--|-----------------------|--|-------------------------------|--|-----------------------------------------------------------------------------------------------------|--|------------------------|--|-------------------------------------|--|----------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------|--|
| mat'l. code<br>SEE NOTE |  |                |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406 ISO 1101 |  | projection<br> |  | product family<br>BPS8 |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| ltr                     |  | ecn no         |  | dr                    |  | date                          |  | tolerances unless otherwise specified                                                               |  |                        |  | <div>angles</div> <div>linear</div> |  | <div>0.1±0.2</div> <div>0.01±0.1</div> |  | <div>mm</div>  |  | title<br>ASSY BPS8<br>21 POS. A,B,C LOADED |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| A                       |  | F00819         |  | DLE                   |  | 2000-10-23                    |  |                                                                                                     |  |                        |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| B                       |  | I05-0123       |  | MINI                  |  | 2005-07-27                    |  |                                                                                                     |  |                        |  |                                     |  |                                        |  | scale —                                                                                             |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| C                       |  | I06-0067       |  | MINI                  |  | 2006-06-01                    |  | ±1°                                                                                                 |  |                        |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| D                       |  | I07-0081       |  | KR                    |  | 2007-06-28                    |  | dr                                                                                                  |  | D.LEGRAND              |  | 2000-10-23                          |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  | <div>FCI</div>  |  |
|                         |  |                |  |                       |  |                               |  | engr                                                                                                |  | J.F.NOTTEAU            |  | 2000-10-23                          |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
|                         |  |                |  |                       |  |                               |  | chr                                                                                                 |  | RAKHEE GEORGE          |  | 2007-06-28                          |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
|                         |  |                |  |                       |  |                               |  | appd                                                                                                |  | RAKHEE GEORGE          |  | 2007-06-28                          |  |                                        |  | dwg no<br>sheet 3 of 3<br>size<br>55355<br>A3                                                       |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
|                         |  |                |  |                       |  |                               |  |                                                                                                     |  |                        |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
| sheet index             |  | revision sheet |  |                       |  |                               |  |                                                                                                     |  |                        |  |                                     |  |                                        |  |                                                                                                     |  | type Product Customer Drawing              |  |  |  |  |  |  |  |  |  |                                                                                                      |  |
|                         |  |                |  |                       |  |                               |  |                                                                                                     |  |                        |  |                                     |  |                                        |  |                                                                                                     |  |                                            |  |  |  |  |  |  |  |  |  |                                                                                                      |  |

PDM: Rev:D

STATUS: Released

Printed: May 14, 2011

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

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