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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.

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.

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

PRODUCT NUMBER BPS8B21FLD-C0---LF

WITH "LF" SUFFIX LEAD FREE OR RoHS COMPATIBLE PRODUCT

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				mm	title		
A	F00819	DLE	2000-10-23	angles	linear	0.1±0.2			ASSY BPS8 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°				scale			
D	I07-0081	KR	2007-06-28	dr	D.LEGRAND	2000-10-23		FCI	dwg no		sheet 1 of 3
				enr	J.F.NOTTEAU	2000-10-23			55355		size A3
				chr	RAKHEE GEORGE	2007-06-28					
				appd	RAKHEE GEORGE	2007-06-28					
sheet index	revision	D	D	D					type Product Customer Drawing		
	sheet	1	2	3							



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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

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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).

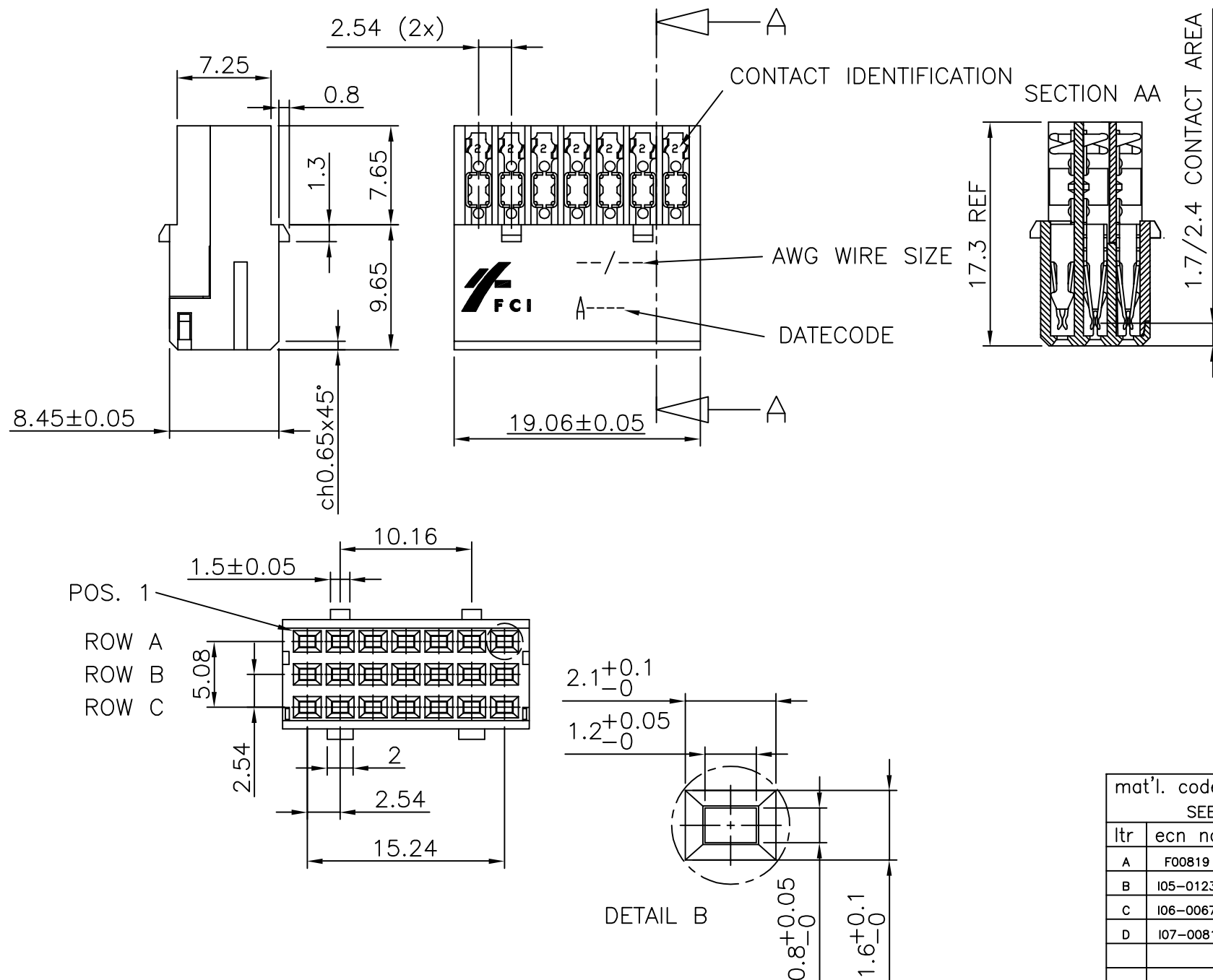
AWG WIRE SIZE MARKING

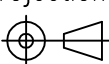
BPS8B21FLD000--LF : 28/30

BPS8B21FLD200--LF : 24/26

DATECODE MARKING

A + YEAR & WEEKCODE, EXAMPLE : A9950.



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



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form: A3

1

2

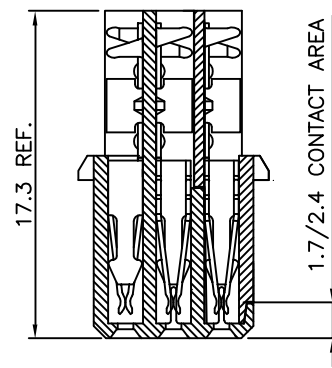
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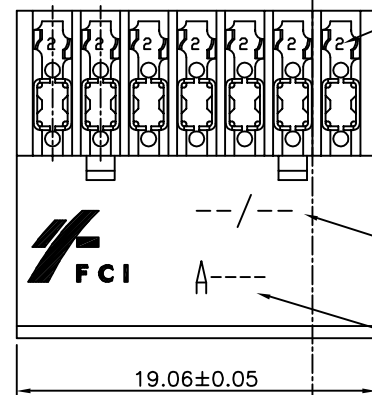
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SECTION AA



2.54 (6x)



CONTACT IDENTIFICATION

AWG WIRE SIZE

DATECODE

NOTES:-

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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).

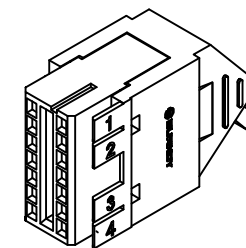
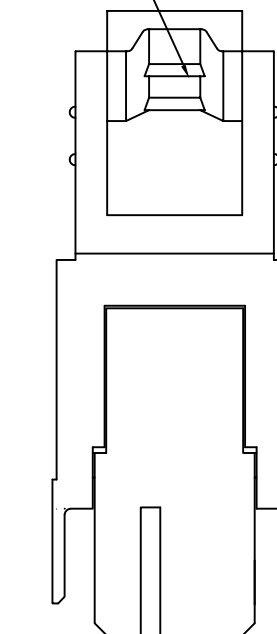
AWG WIRE SIZE MARKING

BPS8B21FLD0M0--LF : 28/30.
BPS8B21FLD2M0--LF : 24/26.

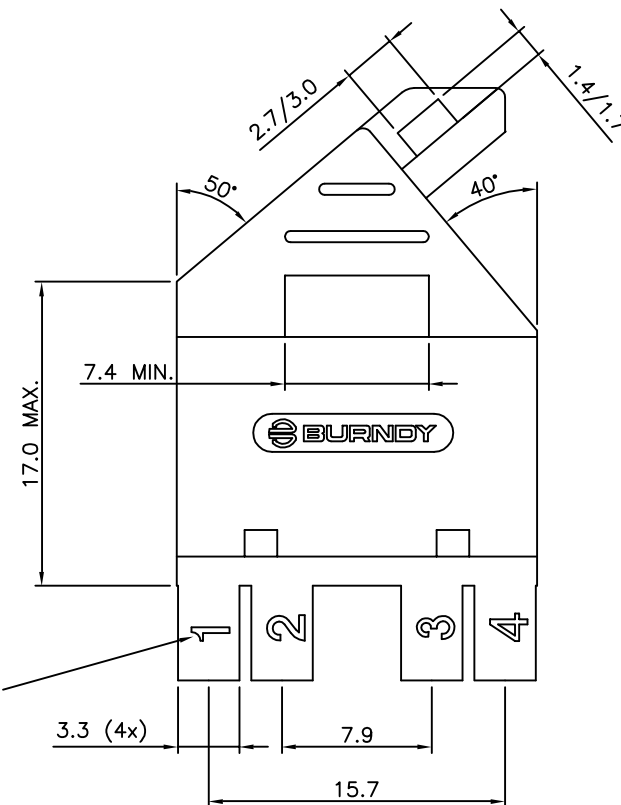
DATECODE MARKING

A + YEAR & WEEKCODE, EXAMPLE : A9950.

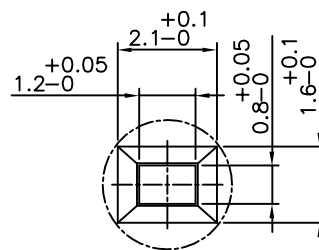
CABLE Ø 7.0 MAX.



REMOVABLE CODING KEYS



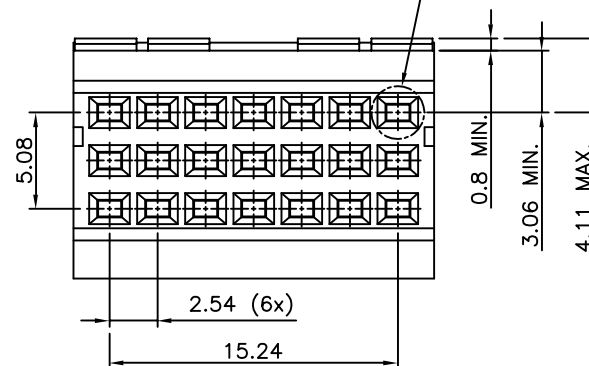
DETAIL B

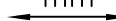


POS. 1

DETAIL B

ROW A
ROW B
ROW C



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

PDM: Rev:D

STATUS: Released

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