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MATERIAL AND FINISH:

Insulator: PBT, UL-94V-0 rated, color (see ordering code)
Shell: Copper alloy, Nickel plated
Contacts: Copper alloy, Selective Gold (see ordering code)
in contact area, Tin on solder tails, entire contact Nickel underplated

ELECTRICAL SPECIFICATIONS:

Rated current: 1.5AMP
Rated voltage: 30VAC
Contact resistance: 30 mohm
Insulation resistance: 1000 Mohm min. at 1000VDC
Dielectric withstanding voltage: 500VAC for one minute

ENVIRONMENTAL:

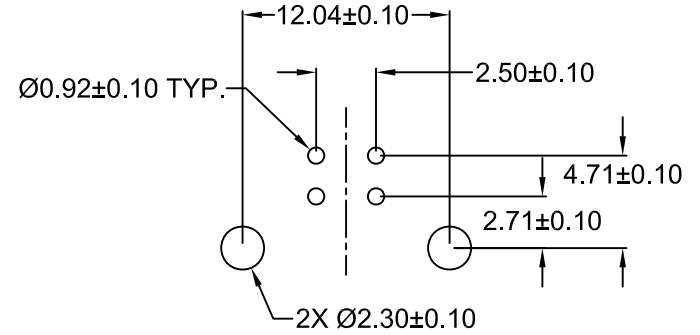
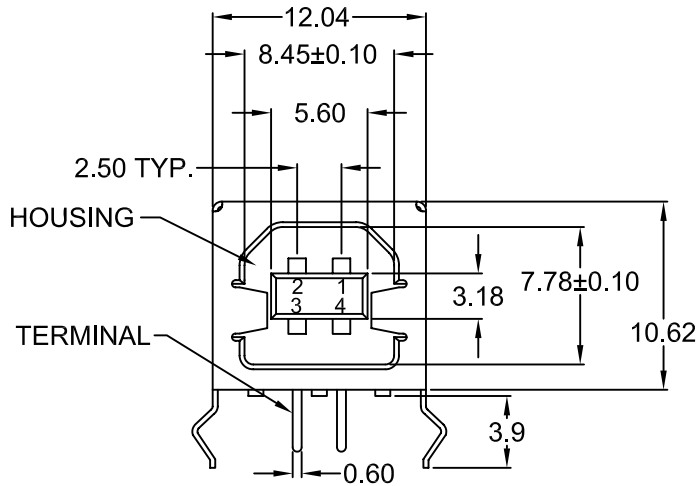
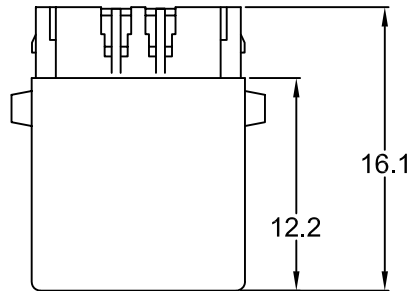
Operating temperature: -55°C to +85°C



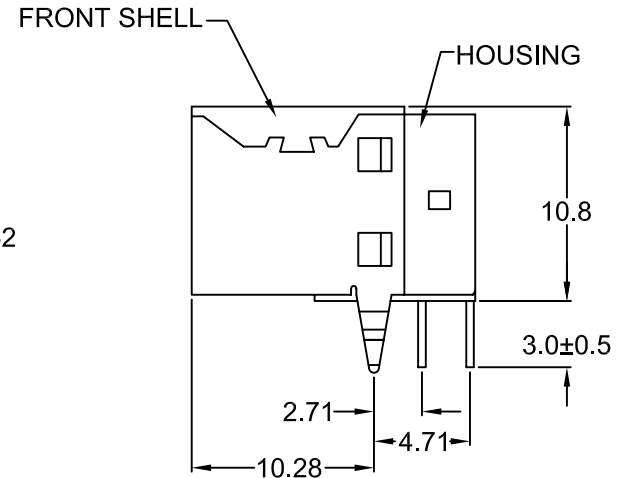
ORDERING CODE:
USB-FB1RP 1 2

- 1) INSULATOR COLOR
 - 1 = BEIGE
 - 2 = BLACK
 - 3 = WHITE

- 2) PLATING:
 - 1 = SELECTIVE GOLD FLASH
 - 2 = SELECTIVE GOLD 10µ"
 - 3 = SELECTIVE GOLD 15µ"
 - 4 = SELECTIVE GOLD 30µ"



RECOMMENDED PCB LAYOUT (TOP VIEW)



REV	DATE	CHANGE	CHNG	CHK	APPR

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.20
DRAWN BY	PB
CHECK BY	
APPR BY	
DATE:	8/8/07
DATE:	
DATE:	

Power Dynamics, Inc.

Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

PART: USB CONNECTOR, 'B' TYPE, FEMALE; 90°
1 PORT, PCB MOUNT; WITHOUT REAR SHELL

PART #: USB-FB1RPXX		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV:
SCALE: NTS		

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MATERIAL AND FINISH

Insulator (front & rear): PBT glass fiber, UL-94V-0 rated, color (see ordering code)

Shell (front & rear): SPCC, 100µ" min. Nickel plated

Contact: Brass, Gold (see chart) over Nickel plated on mating end, and Tin-Lead over Nickel plated on termination end

ELECTRICAL SPECIFICATIONS:

Insulation resistance: 100 Mohm min. @ 630 VDC

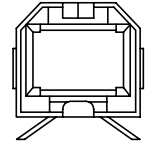
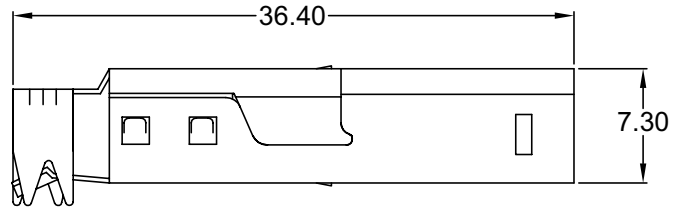
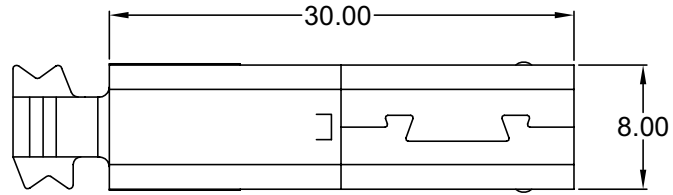
Dielectric withstanding voltage: 750 VAC for one minute

MECHANICAL:

Recommended wire gauge: 26 ~ 28 AWG

ENVIRONMENTAL:

Temperature rating: -55°C to +85°C



ORDERING CODE:

USB-MB1SS
 1 2

1) INSULATOR COLOR

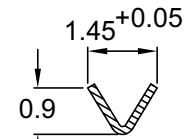
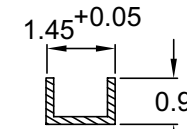
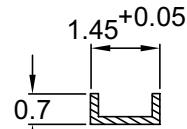
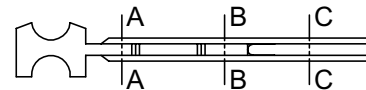
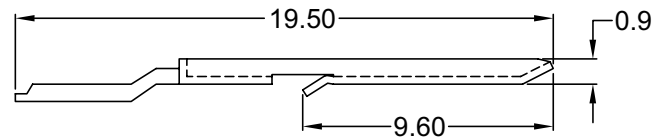
- 1 = BEIGE
- 2 = BLACK
- 3 = WHITE

2) PLATING

SEE CHART

NOTE: SEE SHEET 2 FOR ASSEMBLY

CONTACT



SECTION A-A

SECTION B-B

SECTION C-C

TOLERANCE
UNLESS OTHERWISE SPECIFIED

- X ± 1
- X.X ± 0.4
- X.XX ± 0.20

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PART: USB B TYPE
INSULATOR AND CONTACTS

P/N	PLATING
USB-MB1SSX1	GOLD FLASH
USB-MB1SSX2	10µ"
USB-MB1SSX3	15µ"
USB-MB1SSX4	30µ"

DRAWN BY	GQ	DATE:	06/26/02
CHECK BY	TD	DATE:	06/27/02
APPR BY	PB	DATE:	06/27/02

PART #: USB-MB1SSXX		SHEET 1 of 2
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	
SCALE: NTS	REV:	

REV	DATE	CHANGE	CHNG	CHK	APPR

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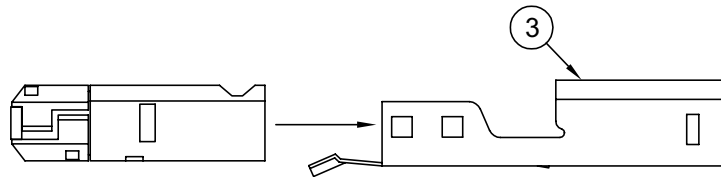
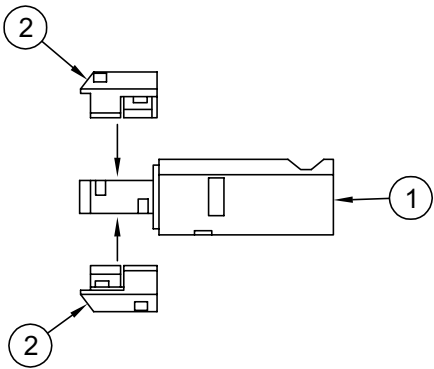
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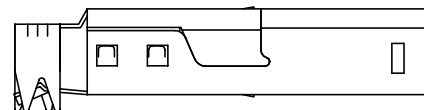
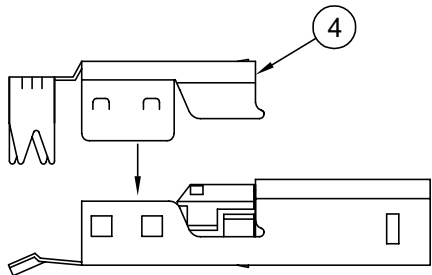
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ITEM	DESCRIPTION
1	FRONT HOUSING W/ CONTACT
2	REAR HOUSING
3	FRONT SHELL
4	REAR SHELL

REVISIONS

SEE SHEET 1 OF 2 FOR LATEST REVISIONS

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 06/26/02
CHECK BY	TD	DATE: 06/27/02
APPR BY	PB	DATE: 06/27/02

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PART: USB B TYPE
INSULATOR AND CONTACTS

PART #: USB-MB1SSXX		ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	SHEET 2 of 2
SIZE: A	SCALE: NTS		
		REV:	

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