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Part Number:

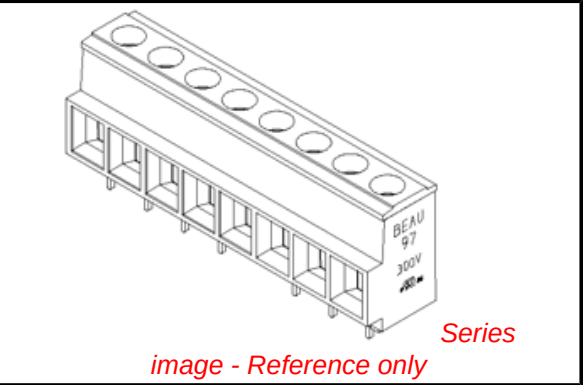
0399700304

Status:

Active

Description:

10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, High Power 40A, 4 Circuits



Documents:	
3D Model	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification	
UL	E48521
General	
Product Family	Terminal Blocks
Series	39970
Application	Wire-to-Board
Component Type	One Piece
Product Name	Eurostyle™ Fixed Mount
Type	Euro Block
Physical	
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Entry Angle	Horizontal
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Copper
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.160 In
PC Tail Length (mm)	4.06 mm
PCB Retention	None
Panel Mount	No
Pitch - Mating Interface (in)	0.400 In
Pitch - Mating Interface (mm)	10.16 mm
Pitch - Term. Interface (in)	0.400 In
Pitch - Term. Interface (mm)	10.16 mm
Plating min: Mating (µin)	150
Plating min: Mating (µm)	3.8
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.8
Polarized to Mating Part	N/A
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	130°C
Termination Interface: Style	Through Hole
Wire Size AWG	10, 12, 14, 16, 18, 6, 8
Wire Size mm²	0.75 - 6.0
Electrical	
Current - Maximum per Contact	40A

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

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

39970Series

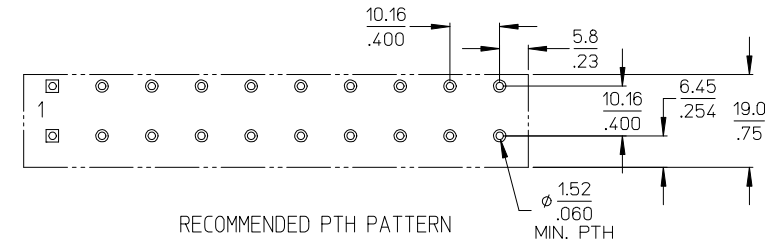
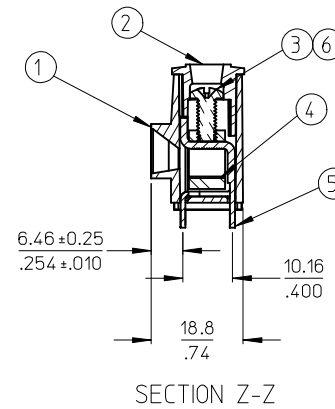
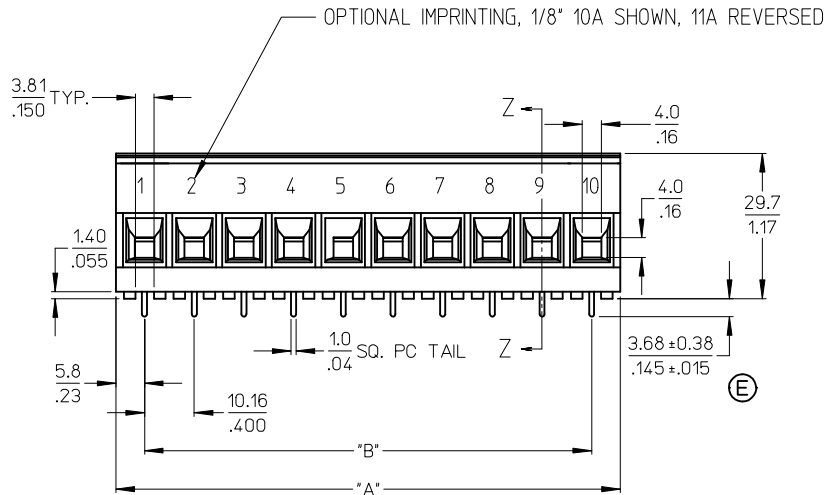
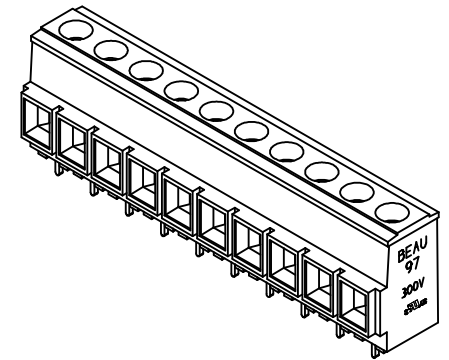
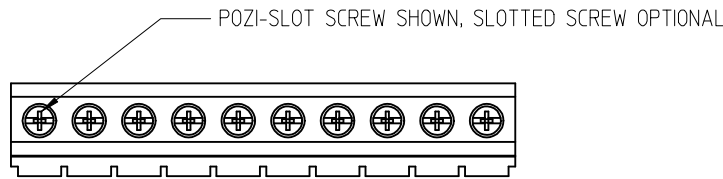
Mates With

N/A

Voltage - Maximum	300V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	973504
Reference - Drawing Numbers	
Sales Drawing	SD-39970-004

This document was generated on 04/27/2010

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NOTES:

1. MATERIAL: SEE TABLE.
2. FINISHES: SEE TABLE.
3. PRODUCT SPECIFICATION: NOT REQUIRED.
4. ALL FEATURES ARE TYPICAL UNLESS OTHERWISE NOTED.
5. PART IS DESIGNED TO MEET UL 1059 CLASS C 300V, 40A.
6. "XX" REFERS TO NUMBER OF CIRCUITS.
7. ASSEMBLY IS ROHS COMPLIANT.

6	XX	SCREW, M4 X 0.7 SLOTTED	BRONZE	TIN PLATE
5	XX	TERMINAL	COPPER	TIN PLATE
4	XX	CAGE	BRASS	NICKEL PLATE
3	XX	SCREW, M4 X 0.7 POZI-SLOT	BRONZE	TIN PLATE
2	1	COVER	POLYESTER (PBT)	BLACK
1	1	BODY	POLYESTER (PBT)	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

1b_frame_B_P_ME_T
Rev. E 2006/04/15

UPDATE TERM. HEIGHT DIM.		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: WNA2009-0445		▼=0		mm INCH		MM/IN		1:1		INCH		◎ □	
DRAWN: JENC INAS 2009/07/01		▽=0		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE		10.16MM/.400 SINGLE ROW		BTS ASSY, 8 AWG,	
CHKD: CYORK 2009/07/02				3 PLACES ± --- ± .005		CHECKED BY DATE				300V 40A			
APPR: JMAGNE IL 2009/07/02				2 PLACES ± 0.13 ± .01		R. KEMP 2002/09/13				MOLEX INCORPORATED			
				1 PLACE ± 0.3 ± ---		APPROVED BY DATE		DOCUMENT NO.				SHEET NO.	
				ANGULAR ± 2 °		L. ROTHMAUS 2002/09/27		SD-39970-004				1 OF 2	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE CHART					
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10	9	8	7	6	5	4	3	2	39970
F									F
E									E
D									D
C									C
B									B
A									A

STD MATERIAL NUMBER	OPTIONAL 10A IMPRINT	OPTIONAL 11A IMPRINT	OPTIONAL SLOTTED SCREW	OPTIONAL SLOTTED SCREW W/10A IMPRINT	OPTIONAL SLOTTED SCREW W/11A IMPRINT	NUMBER OF CIRCUITS	"A" DIM.	"B" DIM.
399700302	399720302	399730302	399700502	399720502	399730502	2	21.84 [.86]	10.16 [.400]
399700303	399720303	399730303	399700503	399720503	399730503	3	32.00 [1.26]	20.32 [.800]
399700304	399720304	399730304	399700504	399720504	399730504	4	42.16 [1.66]	30.48 [1.200]
399700305	399720305	399730305	399700505	399720505	399730505	5	52.32 [2.06]	40.64 [1.600]
399700306	399720306	399730306	399700506	399720506	399730506	6	62.48 [2.46]	50.80 [2.000]
399700307	399720307	399730307	399700507	399720507	399730507	7	72.64 [2.86]	60.96 [2.400]
399700308	399720308	399730308	399700508	399720508	399730508	8	82.80 [3.26]	71.12 [2.800]
399700309	399720309	399730309	399700509	399720509	399730509	9	92.96 [3.66]	81.28 [3.200]
399700310	399720310	399730310	399700510	399720510	399730510	10	103.12 [4.06]	91.44 [3.600]
399700311	399720311	399730311	399700511	399720511	399730511	11	113.28 [4.46]	101.60 [4.000]
399700312	399720312	399730312	399700512	399720512	399730512	12	123.44 [4.86]	111.76 [4.400]
399700313	399720313	399730313	399700513	399720513	399730513	13	133.60 [5.26]	121.92 [4.800]
399700314	399720314	399730314	399700514	399720514	399730514	14	143.76 [5.66]	132.08 [5.200]

SEE SHEET ONE

EC NO: WNA2009-0445

DRWN: JENC INAS 2009/07/01

CHKD: CYORK 2009/07/02

APPR: JMACNEIL 2009/07/02

REV

QUALITY SYMBOLS

▽=0

▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM/IN

DRAWN BY	DATE
GHR	2000/02/09
CHECKED BY	DATE
R. KEMP	2000/06/05
APPROVED BY	DATE
L. ROTHMAUS	2000/02/09

MATERIAL NO.

SEE CHART

SIZE

B

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

10.16MM/.400 SINGLE ROW
BTS ASSY, 8 AWG,
300V 40A

molex

MOLEX INCORPORATED

DOCUMENT NO.

SD-39970-004

SHEET NO.

2 OF 2

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