

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0753310447](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Power Module, 6 Circuits, 1.27µm (50µ") Gold (Au)

Documents:

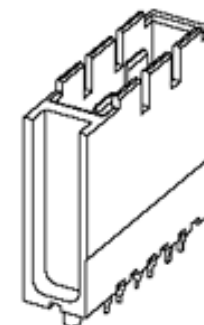
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-75221-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75331
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Blade Length A 4.50mm, B 4.50mm, C 7.50mm
Component Type	Power Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	6
Circuits (maximum)	6
Circuits Detail	Rows A, B & C
Color - Resin	Gray (Dark)
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	3
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.090 In
PC Tail Length (mm)	2.28 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.000 In
Pitch - Mating Interface (mm)	0.00 mm
Pitch - Term. Interface (in)	0.102 In
Pitch - Term. Interface (mm)	2.60 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes
Stackable	No



*Series
image - Reference only*

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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

[75331Series](#)

Mates With

[75292 GbX® Daughtercard](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
GbX® Single Pin	0622022090
Repair Tool	
GbX® Shield	0622022100
Removal Tool	
GbX® 3 Pair 1-Up	0622022580
Power Module	

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	6A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	0
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

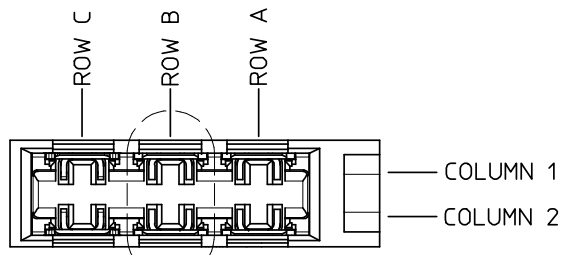
Packaging Specification	PK-70873-571
Product Specification	PS-75221-999
Sales Drawing	SD-75331-001

GbX is a registered trademark of Amphenol Corporation.

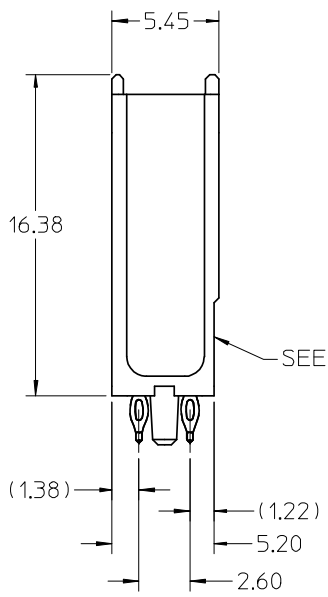
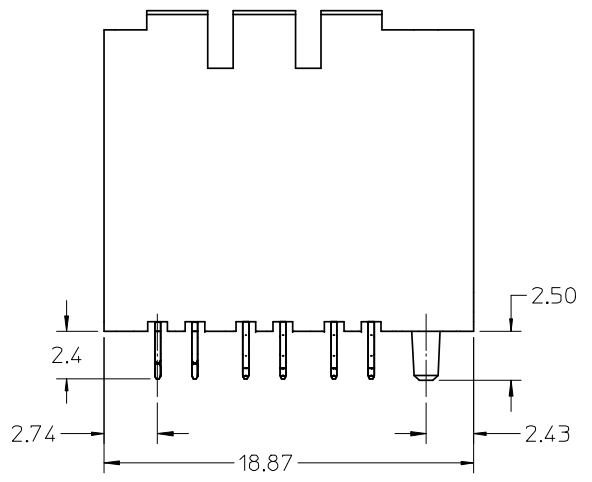
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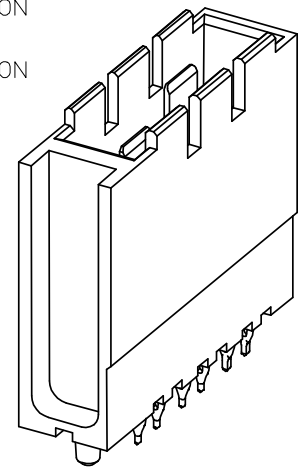


SEE NOTE 4.



SEE NOTE 8.

- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, GRAY; CONTACT - COPPER ALLOY.
 2. FINISH: SELECT GOLD IN CONTACT AREA, 50 μ " THICK, TIN/LEAD OR MATTE TIN IN COMPLIANT AREA.
 3. PACKAGING PER PK-70873-571.
 4. CONTACTS IN EACH ROW HAVE THE SAME WIPE LENGTH.
 5. BACKPLANE ASSEMBLY MATES WITH DAUGHTERCARD POWER MODULE 75292-3***.
 6. PART SHOWN IS 75331-0467.
 7. SEE OTHER SHEETS FOR ADDITIONAL NOTES.
 8. WHEN INSERTING OPEN SIGNAL MODULES NEXT TO COLUMN 1 SIDE OF POWER MODULES, SIGNAL MODULES MUST BE INSERTED BEFORE THE POWERS TO AVOID INTERFERENCE BETWEEN THE TWO CONNECTOR HOUSINGS.
 9. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002.

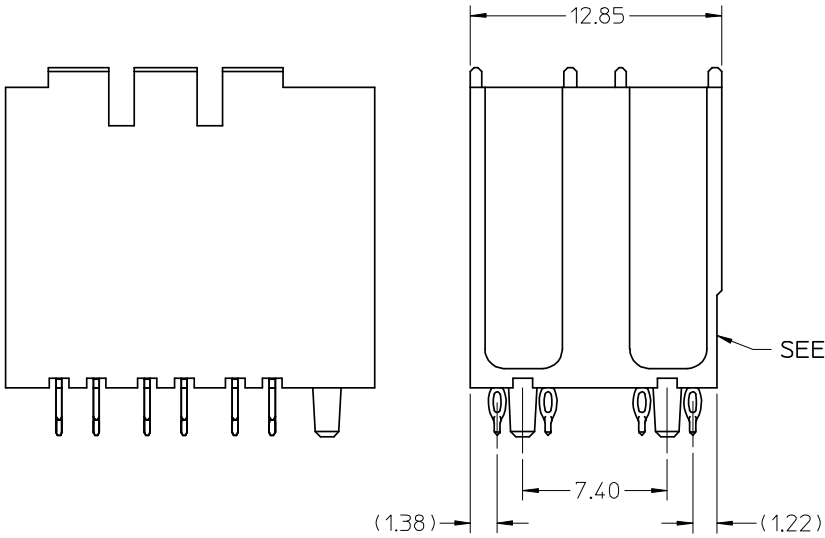
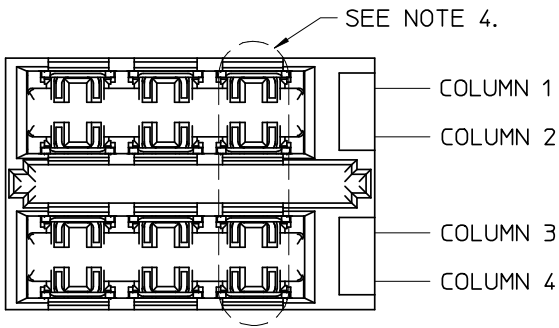


1-UP ASSEMBLY PART NUMBER

7 5 3 3 1 - 0 A B C
 - TIN/LEAD PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 4 = 4.5 mm WIPE
 6 = 6.0 mm WIPE
 7 = 7.5 mm WIPE
 - LEAD-FREE PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 2 = 4.5 mm WIPE
 3 = 6.0 mm WIPE
 5 = 7.5 mm WIPE

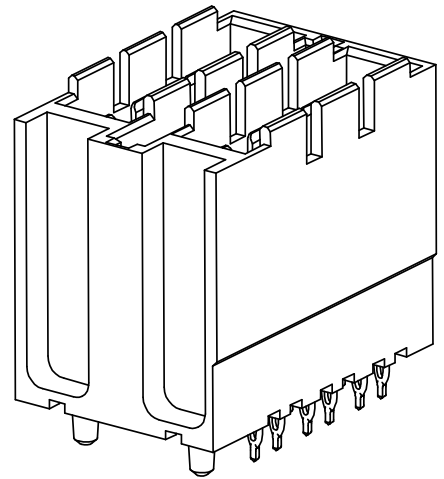
SPEC FILE CORRECTED EC NO: UCP2008-2380 TIDR: MNDVARVARA 2008/03/27 CHKD: JBINGHAM 2008/03/27 APPR: JBINGHAM 2008/03/31	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	MM ONLY DRAWN BY DATE ELO 2005/02/18 CHECKED BY DATE ELO 2005/02/22 APPROVED BY DATE CUNNINGHAM 2005/02/23 MATERIAL NO.	4:1	METRIC	TITLE GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART SIZE B	MOLEX INCORPORATED DOCUMENT NO. SD-75331-001	SHEET NO. 1 OF 4		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2 1



2-UP ASSEMBLY PART NUMBER

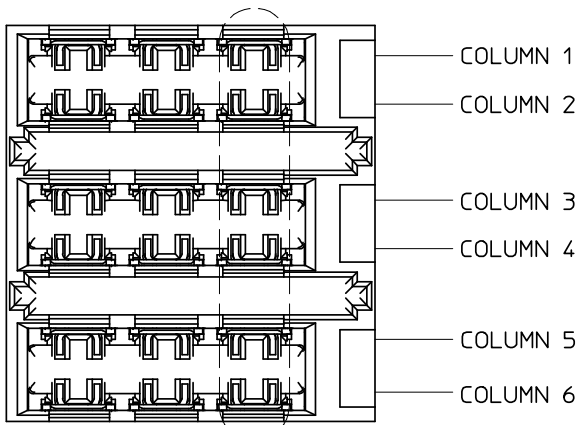
7 5 3 3 2 - 0 A B C
 - TIN/LEAD PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 4 = 4.5 mm WIPE
 6 = 6.0 mm WIPE
 7 = 7.5 mm WIPE
 - LEAD-FREE PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 2 = 4.5 mm WIPE
 3 = 6.0 mm WIPE
 5 = 7.5 mm WIPE



SEE SHEET 1 FOR ADDITIONAL INFORMATION
 CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

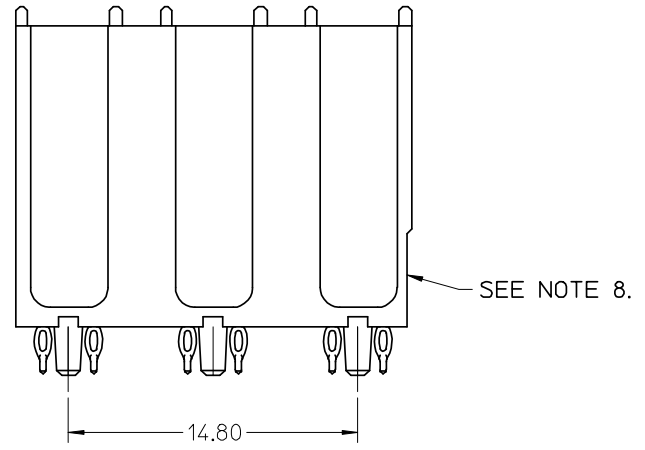
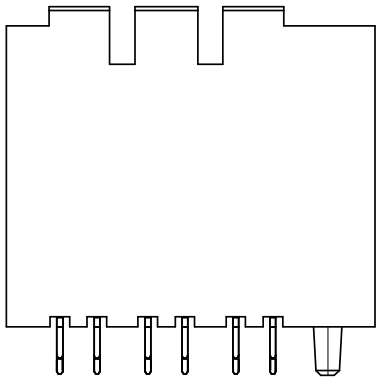
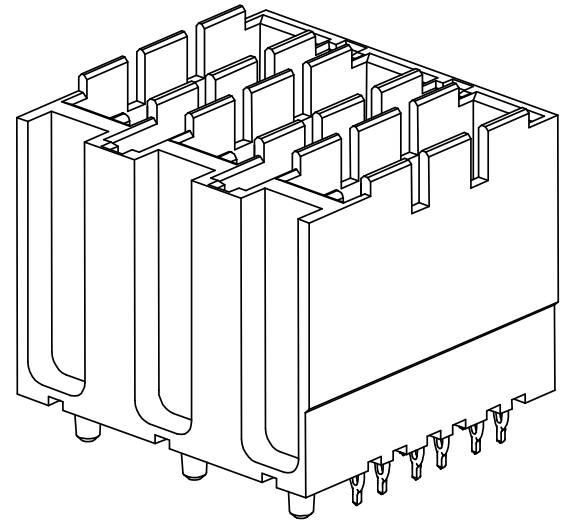
SEE SHEET ONE EC NO: UCP2008-2380 TDRWING: VARVARA 2008/03/27 CHKD: BINGHAM 2008/03/27 APPR: BINGHAM 2008/03/31	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY ELO	DATE 2005/02/18	TITLE GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY			
		4 PLACES	± ---	± ---	CHECKED BY	DATE				
		3 PLACES	± ---	± ---	ELO	2005/02/22	MOLEX INCORPORATED DOCUMENT NO. SD-75331-001			
2 PLACES	± ---	± ---	APPROVED BY CUNNINGHAM	DATE 2005/02/23						
1 PLACE	± ---	± ---	ANGULAR ± --- °		MATERIAL NO.		SHEET NO. 2 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		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 1



3-UP ASSEMBLY PART NUMBER

7 5 3 3 3 - 0 A B C
 - TIN/LEAD PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 4 = 4.5 mm WIPE
 6 = 6.0 mm WIPE
 7 = 7.5 mm WIPE
 - LEAD-FREE PLATED PRODUCT -
 FOR EACH ROW LOCATION A, B, C:
 0 = VOID
 2 = 4.5 mm WIPE
 3 = 6.0 mm WIPE
 5 = 7.5 mm WIPE



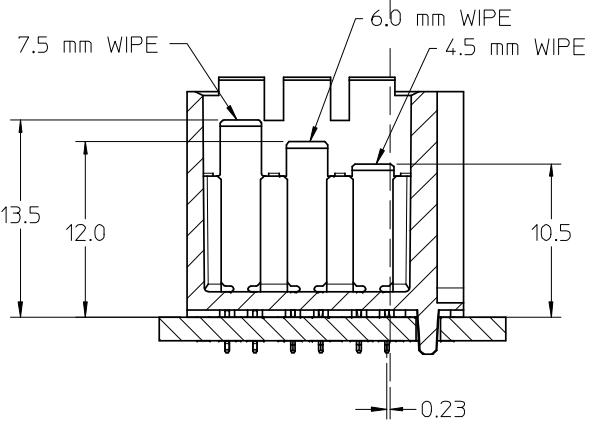
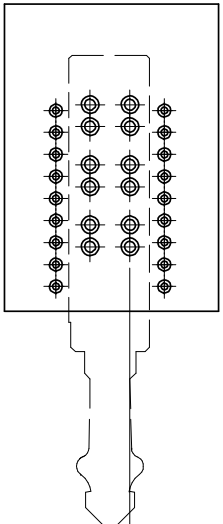
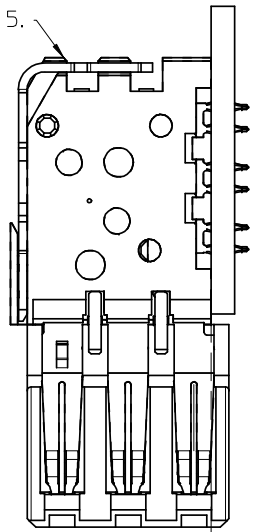
SEE SHEET 1 FOR ADDITIONAL INFORMATION
 CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

SEE SHEET ONE EC NO: UCP2008-2380 TDR: DRW: DV: VAR: 2008/03/27 CHKD: JB: INGHAM 2008/03/27 APPR: JB: INGHAM 2008/03/31	REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		▼=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	MM ONLY	4:1	METRIC	DRAWN BY DATE ELO 2005/02/18 CHECKED BY DATE ELO 2005/02/22 APPROVED BY DATE CUNNINGHAM 2005/02/23 MATERIAL NO.	TITLE GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY MOLEX INCORPORATED DOCUMENT NO. SD-75331-001	SHEET NO. 3 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
				SIZE B					

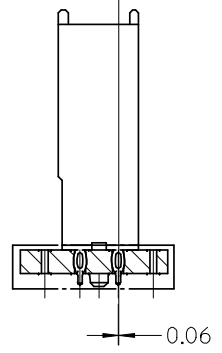
9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

SEE NOTE 5.

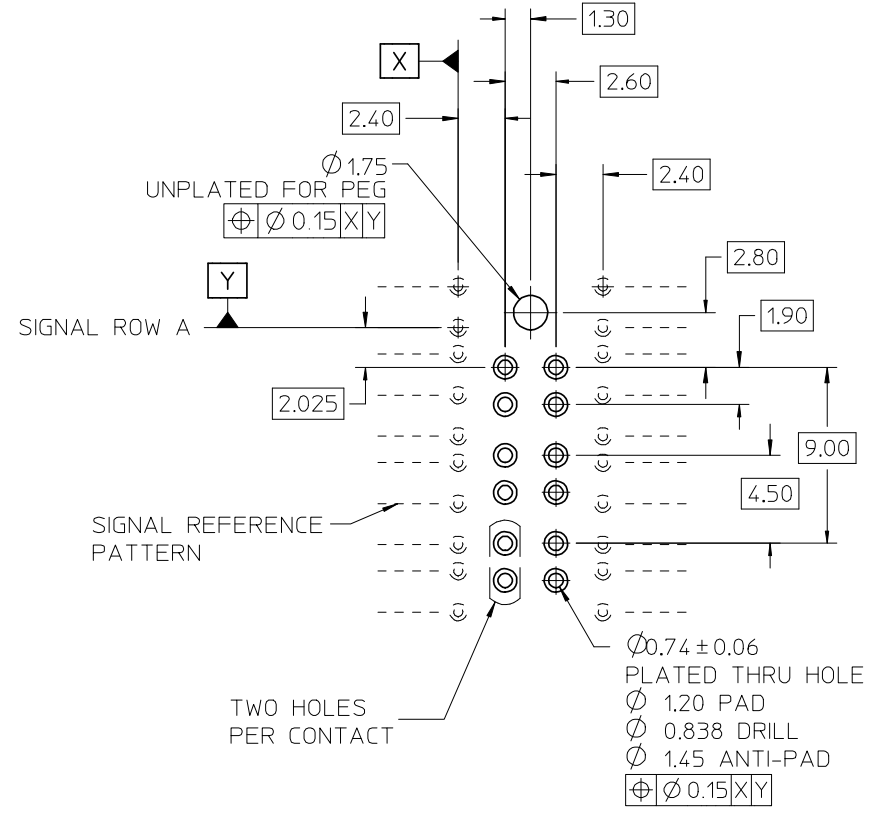


DC BOARD EDGE TO CENTERLINE OF BP TAIL



HOLE PATTERN FOR 1-UP ASSEMBLY

- 1.) ADD 7.40 FROM CENTERLINES OF PEGS FOR MULTIPLE UP ASSEMBLIES.
- 2.) ADD 5.55 FROM CENTERLINE TO CENTERLINE OF PEG FOR INDIVIDUAL POWER MODULES STACKED NEXT TO EACH OTHER.



SEE SHEET ONE EC NO: UCP2008-2380 TDRWN: DIVARVARA 2008/03/27 CHKD: JB INGHAM 2008/03/27 APPR: JB INGHAM 2008/03/31	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY ELO	DATE 2005/02/18	TITLE GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY			
		4 PLACES ± --- ± ---			CHECKED BY ELO	DATE 2005/02/22				
			ANGULAR ± --- °			APPROVED BY CUNNINGHAM	DATE 2005/02/23	MATERIAL NO. SEE PREVIOUS		DOCUMENT NO. SD-75331-001
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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