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Part Number: [0754334254](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Right Guide Header, 150 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")

Documents:

Drawing (PDF)	Product Specification PS-75221-999 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

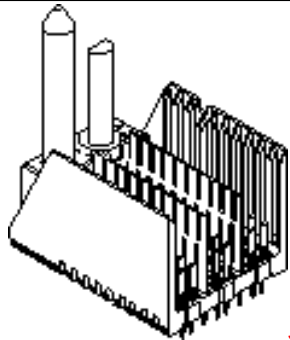
UL	E29179
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General

Product Family	Backplane Connectors
Series	75433
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Right Guide Header, Keying Position E
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	3
Number of Rows	6
Orientation	Vertical
PC Tail Length (in)	0.087 In
PC Tail Length (mm)	2.20 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.073 In
Pitch - Mating Interface (mm)	1.85 mm
Pitch - Term. Interface (in)	0.073 In
Pitch - Term. Interface (mm)	1.85 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	30



Series
image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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
[75433Series](#)

Mates With
[75370 GbX® Daughtercards](#)

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 Repair Tool	0622022090
GbX® Shield Removal Tool	0622022100
GbX® 3 Pair by 25 Wide Differential Insertion Tool	0622022530

Plating min: Termination (μm)	0.76
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	81
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

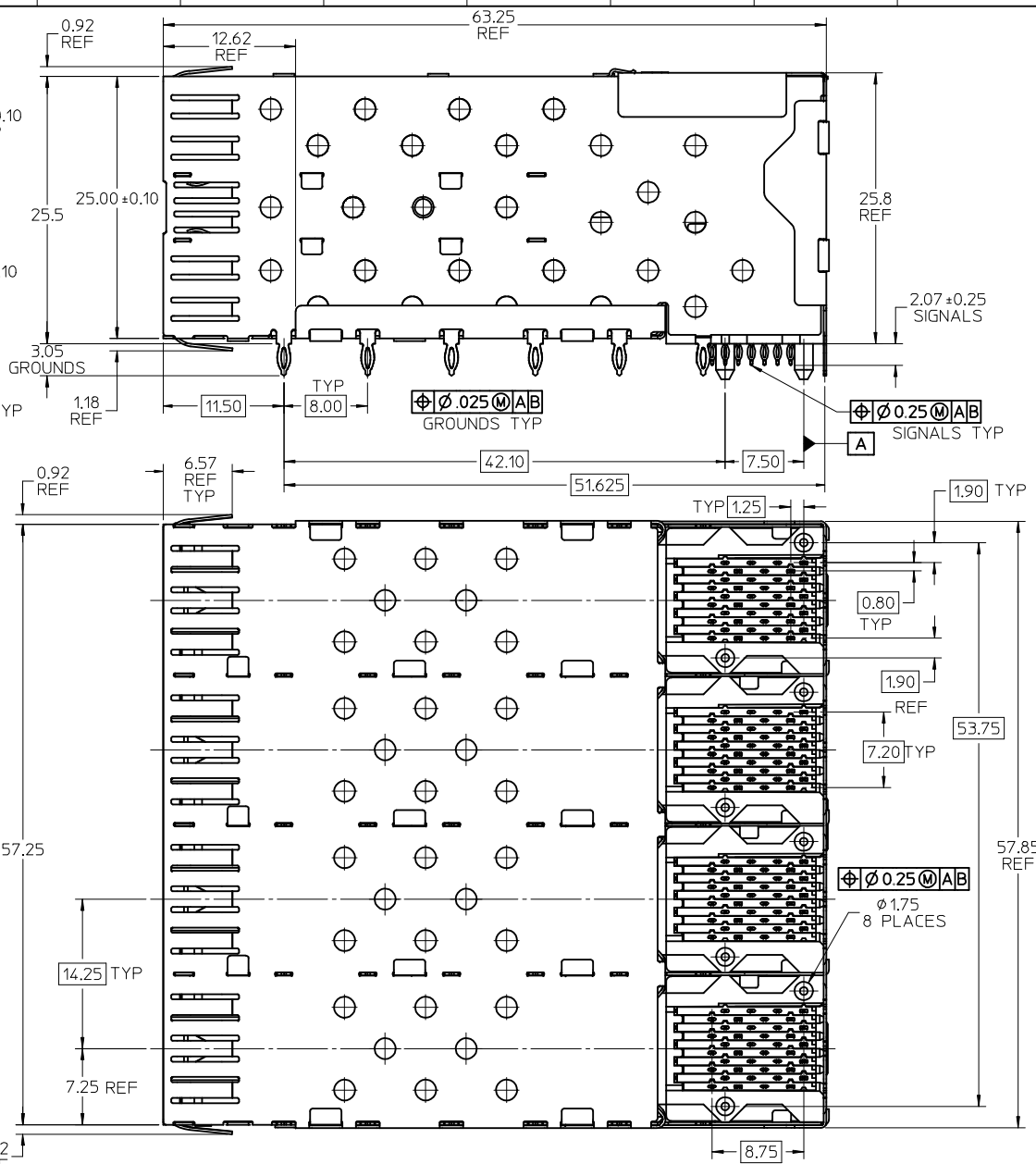
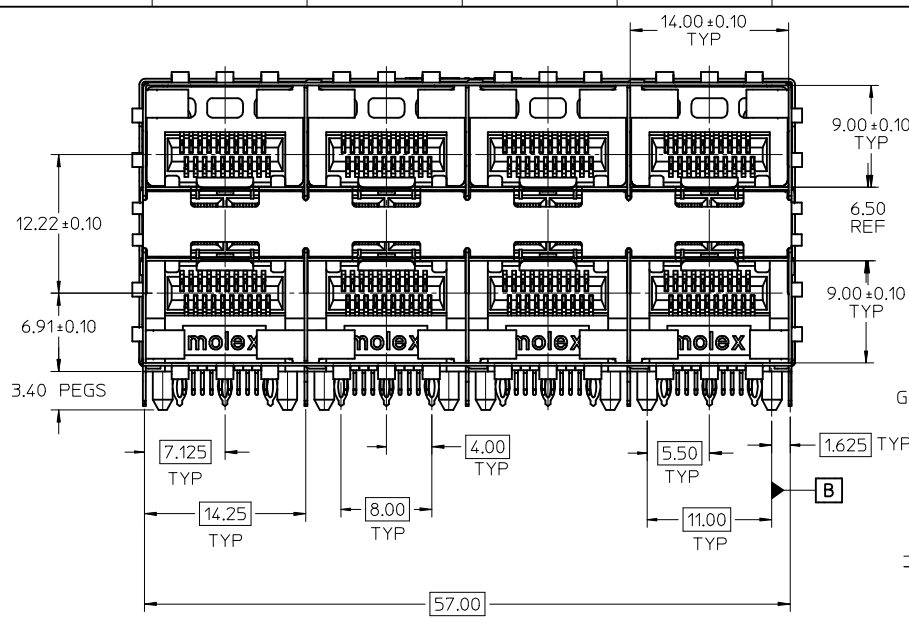
Reference - Drawing Numbers

Packaging Specification	PK-70873-572
Product Specification	PS-75221-999
Sales Drawing	SD-75433-410

GbX is a registered trademark of Amphenol Corporation.

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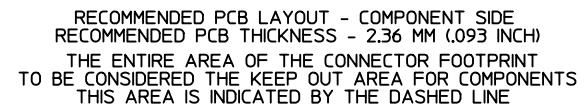
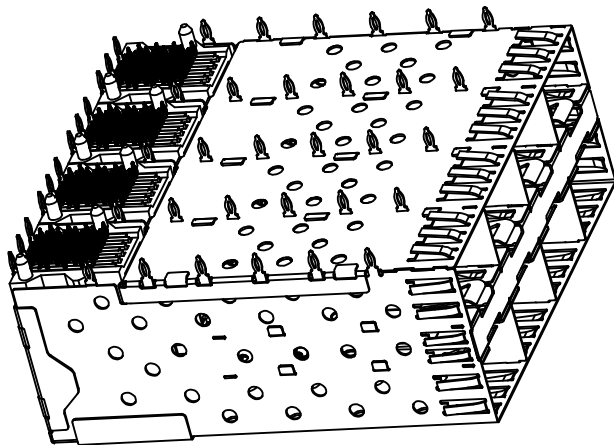
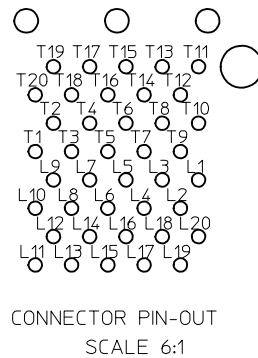
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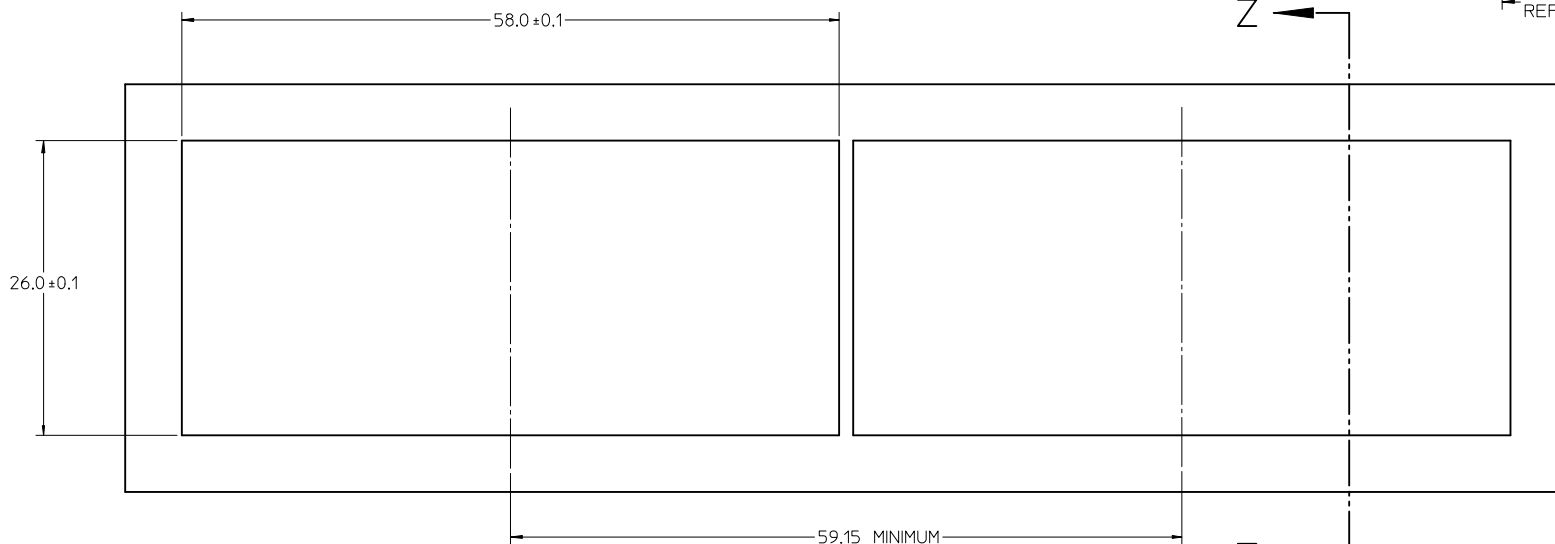
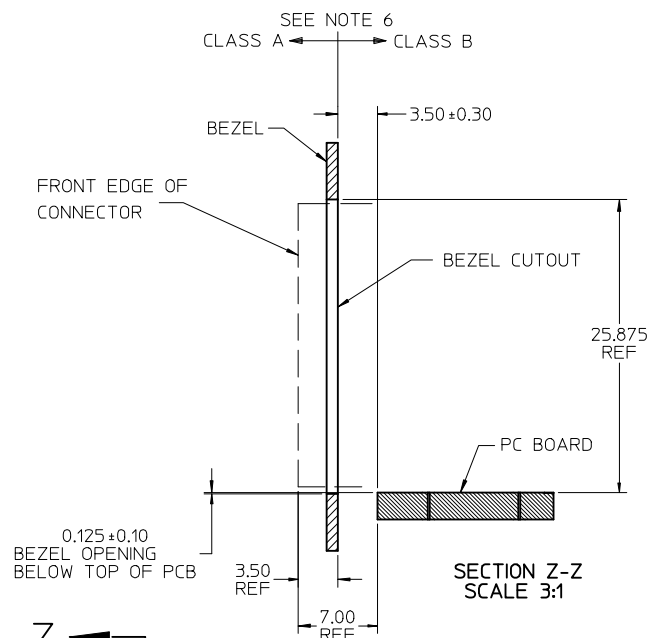
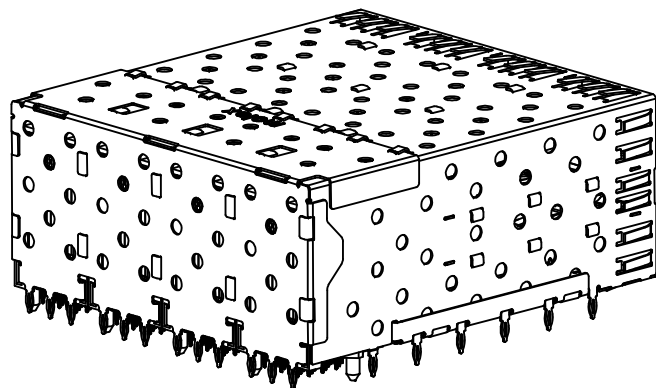
- NOTES
1. MATERIAL:
CAGE: NICKEL SILVER, THICKNESS: 0.25mm.
CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0
COLOR: BLACK.
OVERMOLDED TERMINAL ASSEMBLY: GLASS FILLED HIGH TEMP PLASTIC,
94 V-0, COLOR: BLACK
TERMINALS: BRASS
 2. FINISH:
TERMINALS:
CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD
OVER 1.27 MICROMETERS MINIMUM NICKEL.
COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 152 MICROMETERS 90/10 TIN/LEAD
OVER 0.76 - 152 MICROMETERS NICKEL
COMPLIANT TAIL - TIN OPTION: 0.76 - 152 MICROMETERS TIN
OVER 0.76 - 152 MICROMETERS NICKEL
 3. REFER TO PRODUCT SPEC PS-75310-001 FOR ALL ELECTRICAL,
MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS.
 4. REFER TO PACKAGING SPEC PK-75450-001 FOR ALL PACKAGING
SPECIFICATIONS.
 5. THE CURVED TAILS THAT GO INTO THE HOLES LOCATED BY THESE DIMENSIONS
ARE BEING ELIMINATED. TO ACCOMMODATE THIS CONVERSION, IT IS RECOMMENDED
THAT BOARDS DESIGNED TO THIS PRINT REVISION INCLUDE THESE HOLES.
 6. PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
SEE SHEET 3 SECTION Z-Z FOR SURFACE CLASSIFICATIONS.
UNDERSIDE OF CAGE COMPLIES WITH CLASS 'C'.

754545001	TIN
754540001	TIN / LEAD
MATERIAL NO.	TERMINAL TAIL PLATING

ADD KEEP OUT ZONES EC NO: UCP2010-0369 DRWN:MS BARRA 2009/06/11 CHKD:BBARKER 2009/08/26 APPR:SMILLER 2009/08/27	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY JLONG	DATE 02-04-2004	TITLE STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES	MOLEX INCORPORATED SD-75454-001			
		4 PLACES ± ---	± ---	CHECKED BY KREGNIER	DATE 02-27-2004					
		3 PLACES ± ---	± ---	APPROVED BY KREGNIER	DATE 04-28-2004					
		2 PLACES ± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO. 1 OF 3			
1 PLACE ± 0.25		ANGULAR ± 5 °		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										



ADD KEEP OUT ZONES EC NO: UCP2010-0369 THRWINGS (BARRA 2009/06/11) CHKD: BARKER 2009/08/126 APPR: SKILLER 2009/08/127	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY DATE JLONG 02-04-2004		TITLE STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
				4 PLACES	± ---	± ---	CHECKED BY DATE KREGNIER 02-27-2004				
				3 PLACES	± ---	± ---	APPROVED BY DATE KREGNIER 04-28-2004		MOLEX MOLEX INCORPORATED		
				2 PLACES	± 0.13	± ---					
				1 PLACE	± 0.25	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-75454-001		SHEET NO. 2 OF 3
				ANGULAR ± 5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8 - 2.6

SEE SHEET 1 EC NO: UCP2010-0369 IDRW:MSI BARRA 2009/06/11 CHKD:BBARKER 2009/08/26 APPR:SMILLER 2009/08/27	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JLONG		DATE 02-04-2004		TITLE STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES MOLEX INCORPORATED	
				4 PLACES	± ---	± ---	CHECKED BY KREGNIER		DATE 02-27-2004			
				3 PLACES	± ---	± ---	APPROVED BY KREGNIER		DATE 04-28-2004			
				2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.			
				1 PLACE	± 0.25	± ---	SEE TABLE		SD-75454-001			
				ANGULAR ± 5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
											SHEET NO. 3 OF 3	



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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