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Part Number: [0752270014](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85 by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Daughtercard Guidance Module

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75227
Application	Daughtercard
Application Tooling Documents	Tooling Manual
Comments	Daughtercard Module, Guidance
Component Type	Guide
More Detailed Tech Information	I-Trac@molex.com
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Breakaway	No
Circuits (Loaded)	0
Color - Resin	Gray (Dark)
Durability (mating cycles max)	250
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	4
Number of Rows	0
Orientation	Right Angle
PCB Retention	None
PCB Thickness Recommended (in)	0.062 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
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C

Electrical

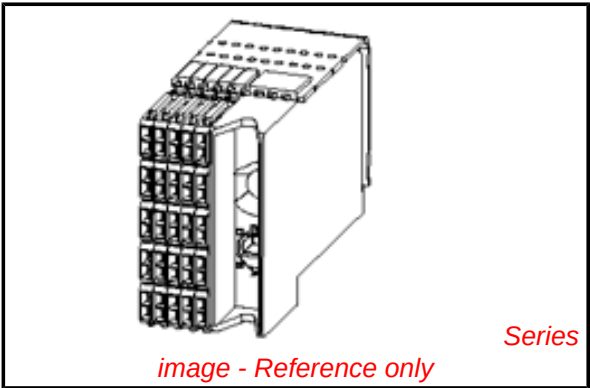
Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-75227-001
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GbX is a registered trademark of Amphenol Corporation.



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
[75227Series](#)

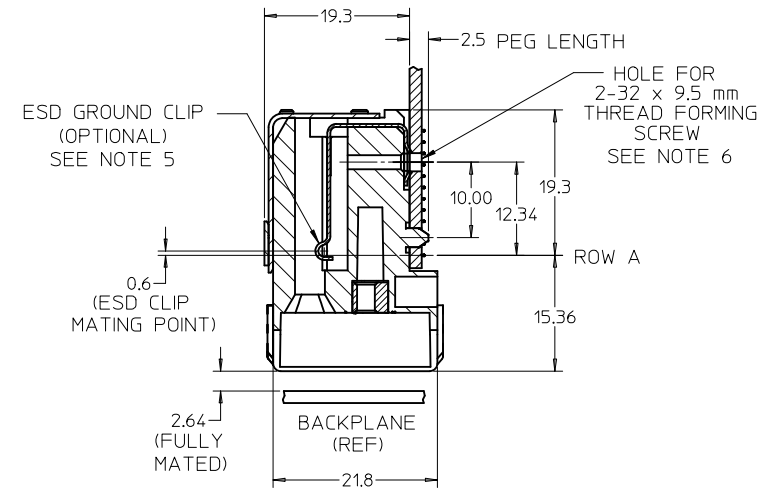
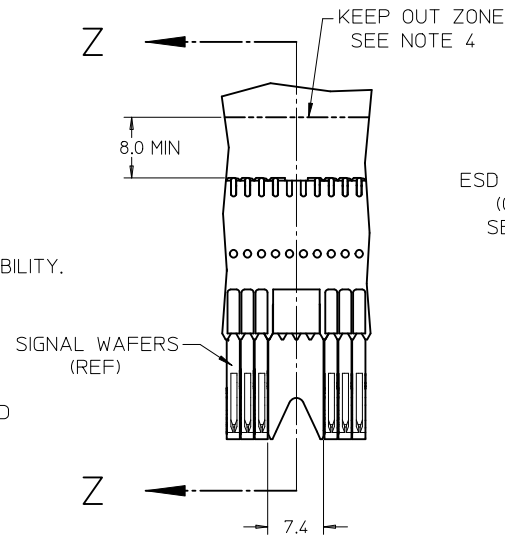
Mates With
GbX® Backplane Headers [75235](#) , [75237](#)

This document was generated on 05/17/2010

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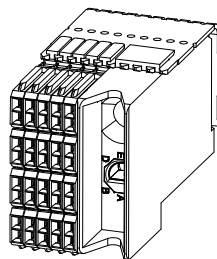
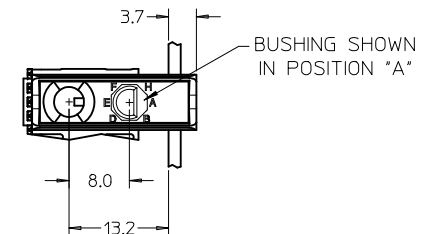
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL94V-0
TERMINAL - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA,
SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS,
NICKEL (Ni) OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-75221-999 FOR
PERFORMANCE SPECIFICATIONS.
4. THE SPECIFIED KEEP-OUT ZONE IS REQUIRED FOR CONNECTOR REPAIRABILITY.
5. THE ESD GROUND CLIP AND PLATED THROUGH HOLE APPLIES TO THE
ESD GROUND MODULE ONLY. THE UNGROUNDED GUIDE MODULE USES
A $\phi 2.45 \pm 0.10$ UNPLATED SCREW HOLE.
6. THREAD FORMING SCREW TORQUE SPECIFICATION: 2.5 ± 0.5 IN-LBS.
7. RECOMMENDED CIRCUIT BOARD THICKNESS: 1.5-3.2mm. FOR OTHER BOARD
THICKNESSES CONSULT FACTORY.
8. RECOMMENDED MOUNTING SCREW: 73726-0000.



SECTION Z-Z

KEY POSITION		GUIDE MODULE PART NUMBER	ESD GROUND PART NUMBER
NONE		75227-0014	75227-5014
A		75227-0411	75227-5411
B		75227-0412	75227-5412
C		75227-0413	75227-5413
D		75227-0414	75227-5414
E		75227-0415	75227-5415
F		75227-0416	75227-5416
G		75227-0417	75227-5417
H		75227-0418	75227-5418

DAUGHTERCARD HOLE PATTERN
(CONNECTOR SIDE)

ADD NOTES EC NO: UCP2010-1625 DRWN: JINGHAM 2010/01/08 CHKD: JLAURX 2010/01/08 APPR: JLAURX 2010/02/01 A2	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		 		mm	INCH	DIMENSION STYLE MM ONLY		TITLE GBX 4 PAIR DAUGHTERCARD GUIDANCE / ESD GROUND SALES DRAWING		
			4 PLACES	± .005	± .0004	DRAWN BY JLAURX	DATE 04/03/15	MOLEX MOLEX INCORPORATED		
			3 PLACES	± .005	± .0004	CHECKED BY TELO	DATE 04/03/15			
			2 PLACES	± .013	± .0005	APPROVED BY JLAURX	DATE 2010/02/01			
1 PLACE	± .025	± .0010	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				