

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0758364234

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, Lead Free, 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

General

Product Family

Backplane Connectors

Series

75836

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

Right Guide Header, Position C

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

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

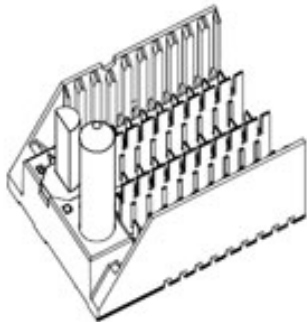


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

75836Series

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)	82
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

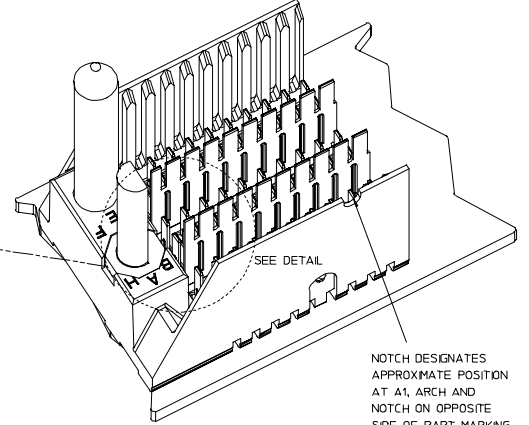
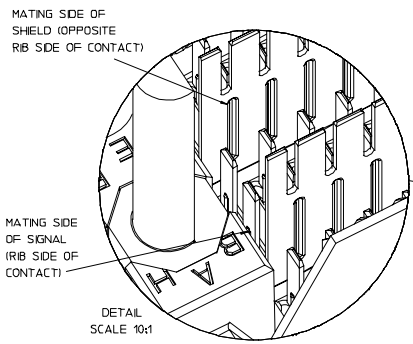
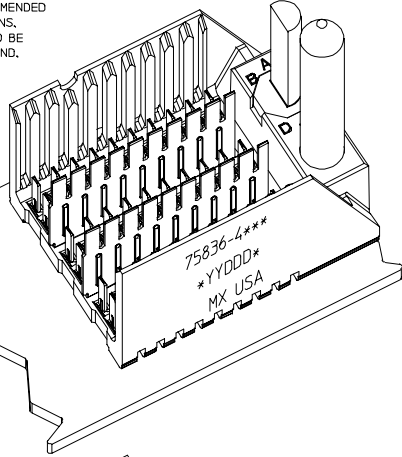
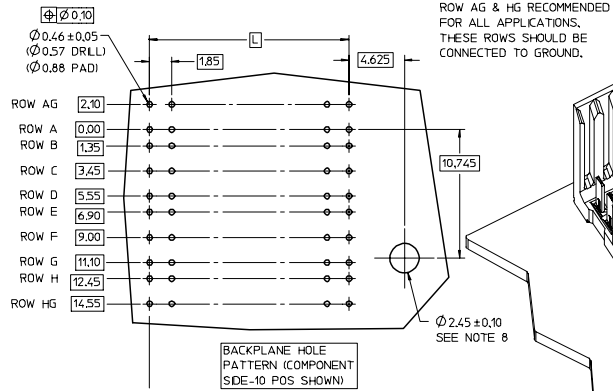
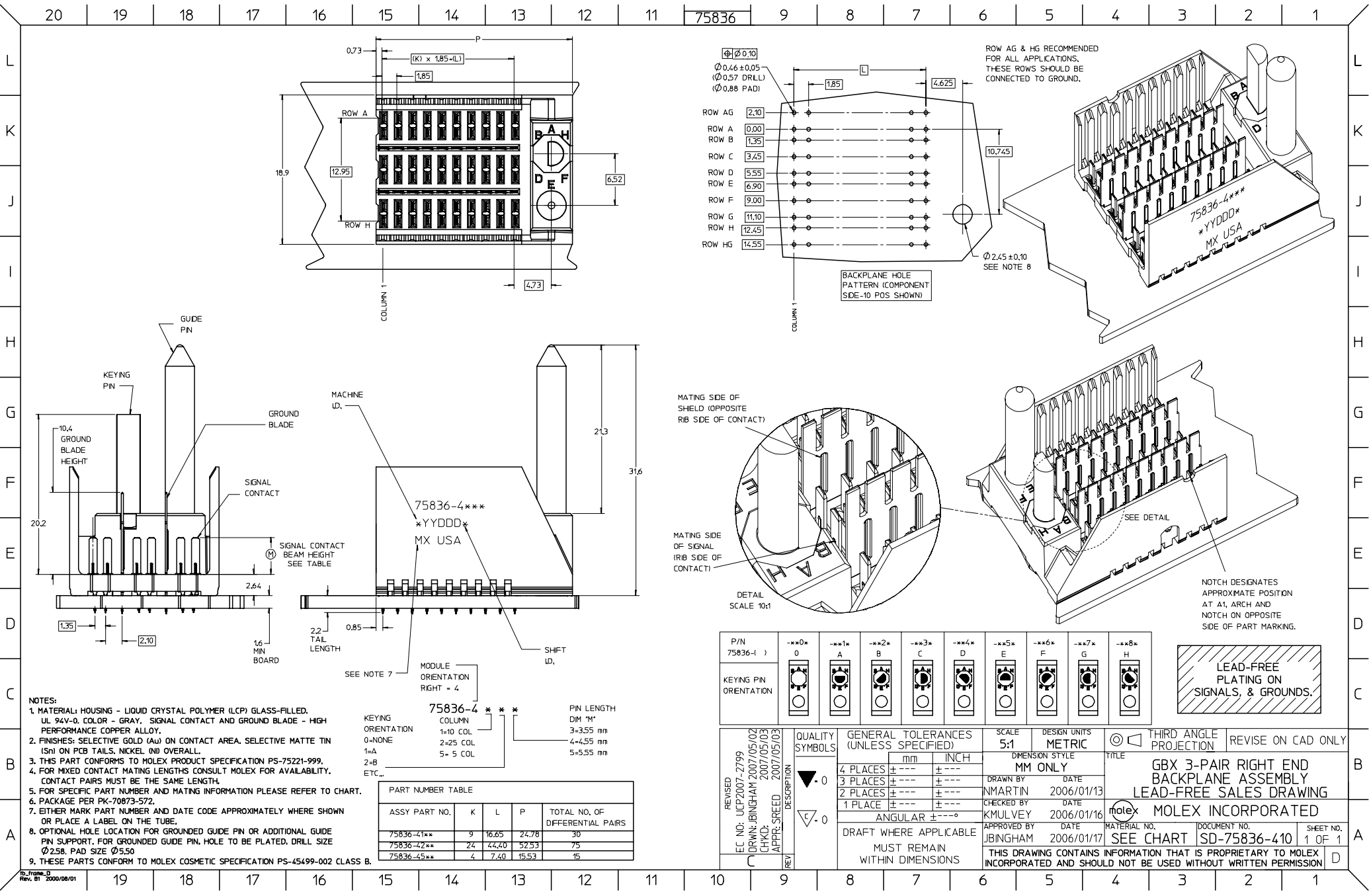
Reference - Drawing Numbers

Packaging Specification	PK-70873-572
Product Specification	PS-75221-999
Sales Drawing	SD-75836-410

GbX is a registered trademark of Amphenol Corporation.

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P/N	-xx0*	-xx1*	-xx2*	-xx3*	-xx4*	-xx5*	-xx6*	-xx7*	-xx8*
75836-4	0	A	B	C	D	E	F	G	H
KEYING PN ORIENTATION									

LEAD-FREE PLATING ON SIGNALS, & GROUNDS.

REVISED	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
EC NO: UCP 2007-2799 ORIGIN: BINGHAM 2007/05/02 CHKD: 2007/05/03 APPR: SEED 2007/05/03	 	mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	5:1	METRIC DIMENSION STYLE MM ONLY DRAWN BY DATE NMARTIN 2006/01/13 CHECKED BY DATE KMULVEY 2006/01/16 APPROVED BY DATE JBINGHAM 2006/01/17		GBX 3-PAIR RIGHT END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-75836-410 SHEET NO. 1 OF 1

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