

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0758360505

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Open Header, 30 Circuits, Lead Free, Pin Length 5.55mm (.219")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-75221-999 (PDF)

Agency Certification

UL

E29179

General

Product Family

Backplane Connectors

Series

75836

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

Open Header

Component Type

PCB Header

Overview

gbx_backplane_connector_system

Product Name

GbX®

Style

N/A

Physical

Circuits (Loaded)

30

Circuits (maximum)

0

Color - Resin

Black

Durability (mating cycles max)

200

First Mate / Last Break

No

Flammability

94V-0

Guide to Mating Part

No

Keying to Mating Part

None

Material - Metal

High Performance Alloy (HPA)

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Columns

5

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)

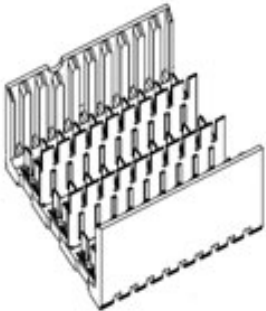
30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

30



Series

image - Reference only

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
75836Series

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® 3 Pair by 5	0622022500
Differential Insertion Tool	

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

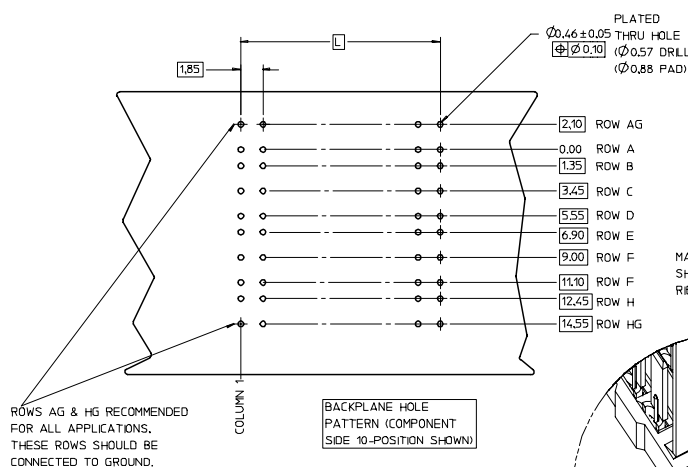
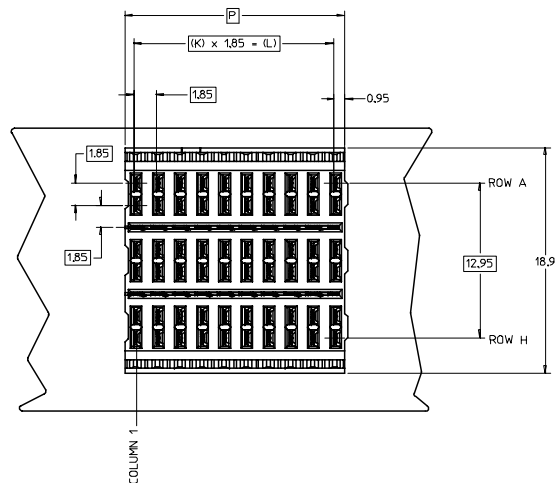
Packaging Specification	PK-70873-576
Product Specification	PS-75221-999
Sales Drawing	SD-75836-010

GbX is a registered trademark of Amphenol Corporation.

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)

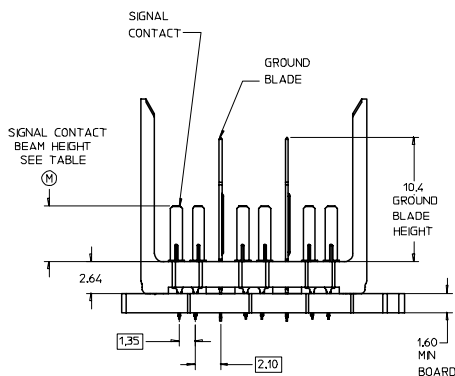
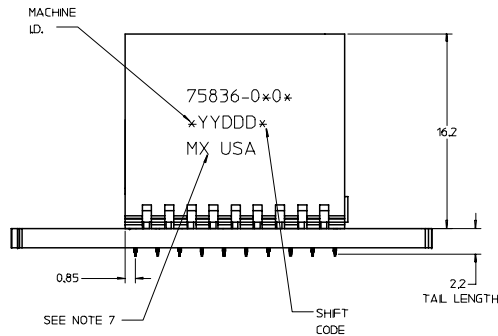
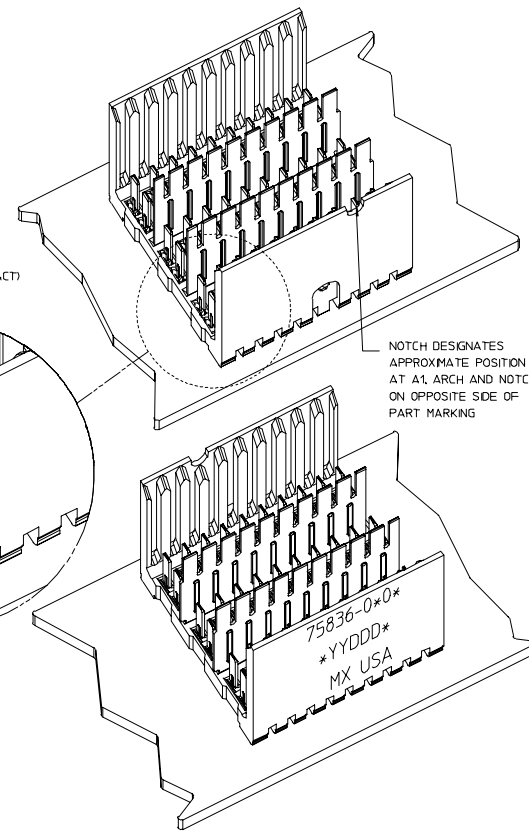
PLATED
Ø0.46±0.05 THRU HOLE
(Ø0.57 DRILL)
(Ø0.88 PAD)

2.10 ROW AG
0.00 ROW A
1.35 ROW B
3.45 ROW C
5.55 ROW D
6.90 ROW E
9.00 ROW F
11.10 ROW G
12.45 ROW H
14.55 ROW HG

MATING SIDE OF SHIELD (OPPOSITE RB SIDE OF CONTACT)

MATING SIDE OF SIGNAL (RB SIDE OF CONTACT)

DETAIL SCALE 10:1



LEAD-FREE PLATING ON SIGNALS & GROUNDS.

- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA. SELECTIVE MATTE TIN (Sn) ON PCB TAILS. NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 6. PACKAGE PER PK-70873-576.
 7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.

PART NUMBER TABLE			
ASSY PART NO.	K	L	P
75836-010*	9	16.65	18.35
75836-020*	24	44.40	46.10
75836-050*	4	7.40	9.10

COLUMN
01 - 10 COL
02 - 25 COL
05 - 5 COL

PN LENGTH
DM "M"
3=3.55 mm
4=4.55 mm
5=5.55 mm

KEYING
ORIENTATION
OPEN = 0 (NONE)

REVISED EC NO: UCP2006-2458 DRWN: JBINGHAM 2006/04/20 CHKD: 2006/04/20 APPR: CBXLER 2006/04/20	QUALITY SYMBOLS 0.0 0.0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± ± ANGULAR ± ±	SCALE 5:1 DESIGN UNITS METRIC DIMENSION STYLE MM ONLY DRAWN BY DATE CTHOMAS 2006/01/13 CHECKED BY DATE KMULVEY 2006/01/16 APPROVED BY DATE JBINGHAM 2006/01/17	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE GBX 3-PAIR OPEN END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING MOLEX MOLEX INCORPORATED	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75836-010	SHEET NO. 1 OF 1



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

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- 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.);

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- 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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