

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0758380204

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Backplane Connector System, Open Header, 200 Circuits, Lead Free, Pin Length 4.55mm (.179")

Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75838

Backplane

Tooling Manual

Open Header

PCB Header

gbx_backplane_connector_system

GbX®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

200

200

Gray

200

No

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin

High Temperature Thermoplastic

25

4

8

Vertical

0.091 In

2.30 mm

No

Yes

0.063 In

1.60 mm

Tube

0.073 In

1.85 mm

0.073 In

1.85 mm

30

0.76

30

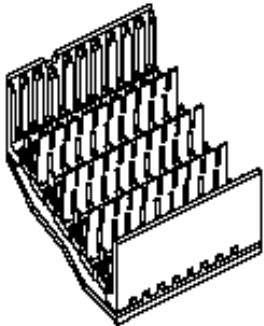


image - Reference only

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

75838Series

Mates With

75878 Daughtercard Assembly

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)	108
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

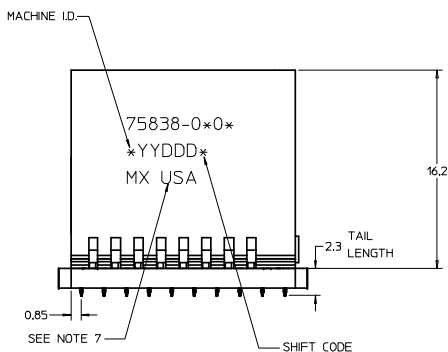
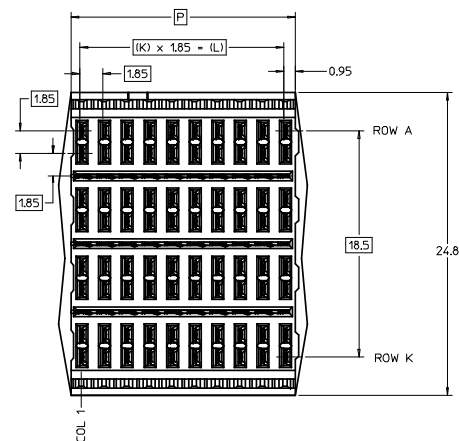
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75838-010

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 06/07/2010

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20 19 18 17 16 15 14 13 12 11 75838 9 8 7 6 5 4 3 2 1



75838-0*0*

MODULE ORIENTATION
OPEN = 0

COLUMN
1 = 10 COL
2 = 25 COL
5 = 5 COL
7 = 7 COL

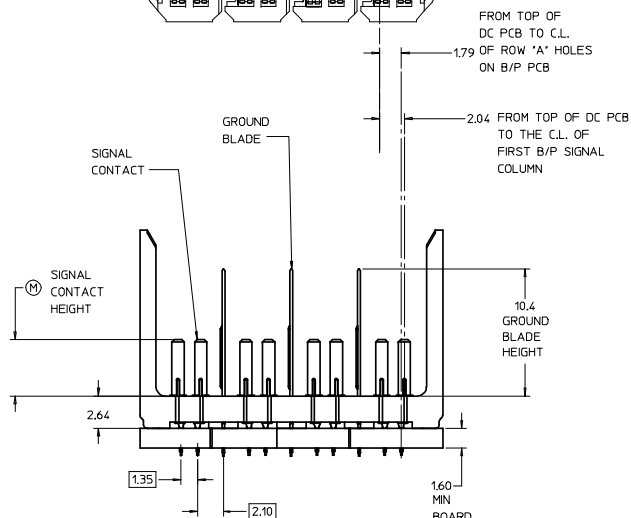
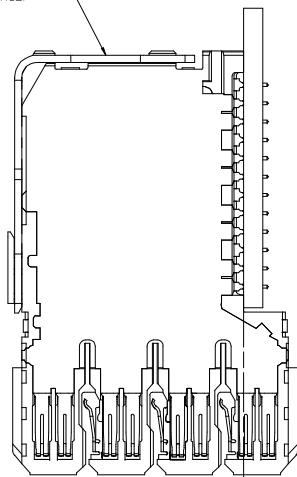
PIN LENGTH
DIM "M"
3=3.55 mm
4=4.55 mm
5=5.55 mm

KEYING ORIENTATION
0 = OPEN

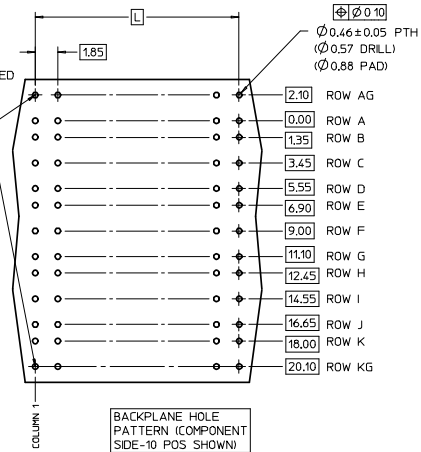
NOTES:

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-70873-563.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
8. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

DAUGHTERCARD
WAFER
(REFERENCE)

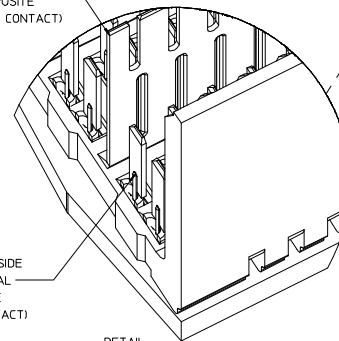


ROW AG & KG RECOMMENDED
FOR ALL APPLICATIONS.
THESE ROWS SHOULD BE
CONNECTED TO GROUND.

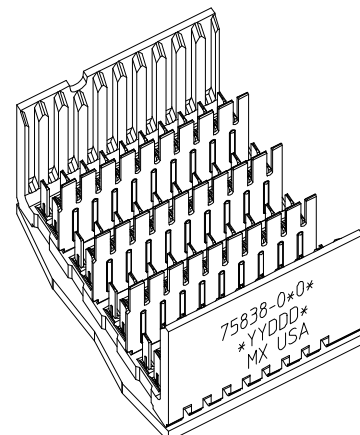
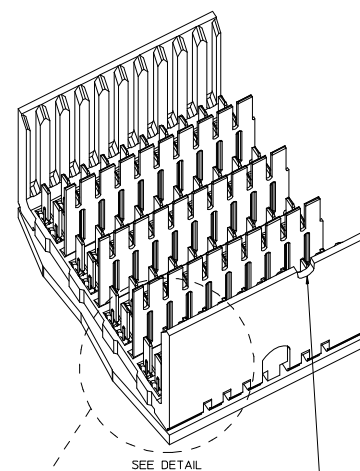


BACKPLANE HOLE
PATTERN (COMPONENT
SIDE-10 POS SHOWN)

MATING SIDE OF
SHIELD (OPPOSITE
RIB SIDE OF CONTACT)



LEAD-FREE
PLATING ON
SIGNALS, & GROUNDS.



ADD 5 & 7 COLUMN PARTS EC NO: UCP2008-2605 DRAWN: BINGHAM 2008/04/24 CHKD: 2008/04/23 APPR: LAUREX 2008/04/28	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 5:1 DESIGN UNITS METRIC DIMENSION STYLE MM ONLY DRAWN BY CTHOMAS DATE 2006/01/03 CHECKED BY KMULVEY DATE 2006/01/04 APPROVED BY JBINGHAM DATE 2006/01/05	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE GBX 4-PAIR OPEN END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING MATERIAL NO. SEE CHART DOCUMENT NO. SD-75838-010 SHEET NO. 1 OF 1

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