

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0758342105](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Electrically Enhanced Backplane Connector System, Left Guide Header, 100 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-75221-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75834
Application	Backplane
Application Tooling Documents	Tooling Manual
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black, Gray
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Columns	10
Number of Pairs	2
Number of Rows	7
Orientation	Vertical
PC Tail Length (in)	0.090 In
PC Tail Length (mm)	2.30 mm
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
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
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
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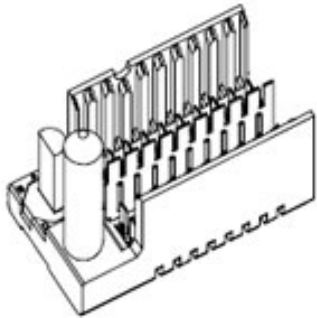


image - Reference only

Series

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
[75834Series](#)

Data Rate	8.0 Gbps
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

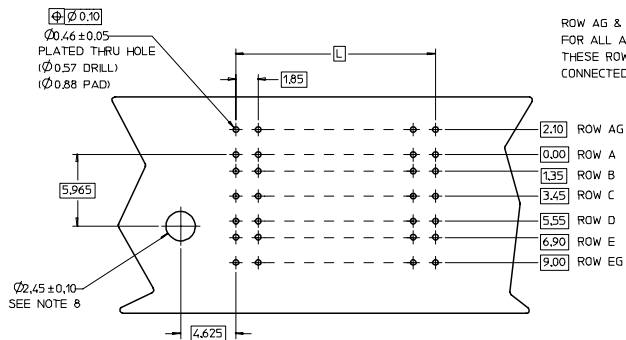
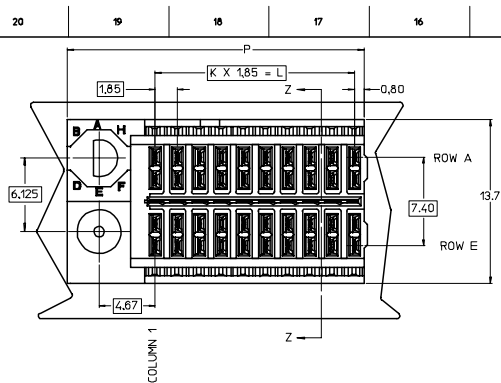
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75834-210

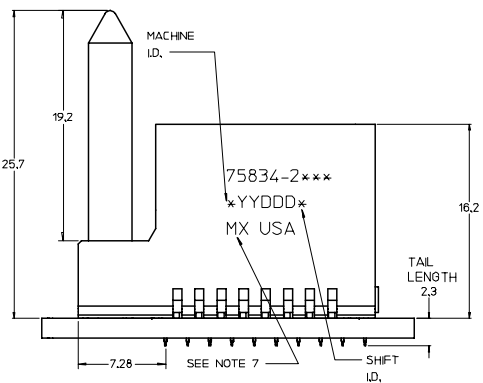
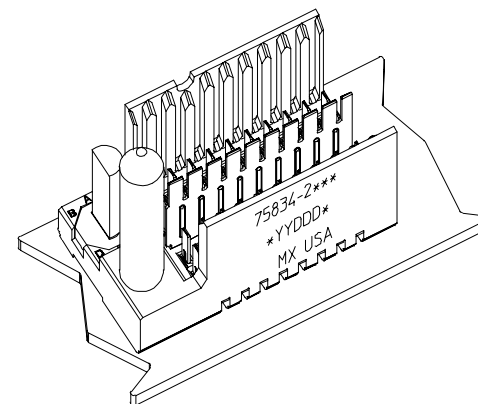
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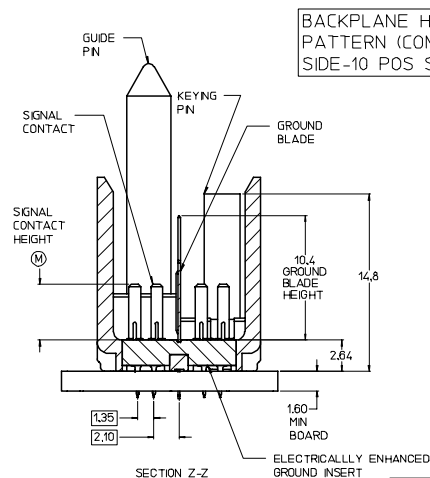


ROW AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.

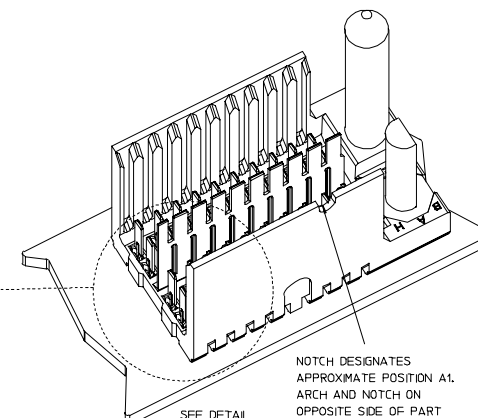
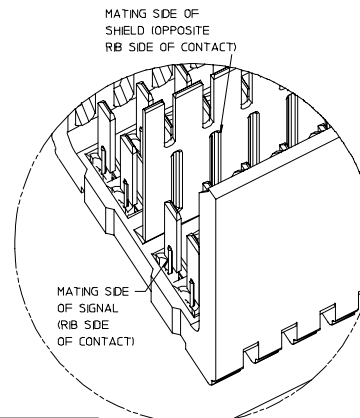


PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75834-25**	4	7.40	15.53	10
75834-21**	9	16.65	24.78	20
75834-22**	24	44.40	52.53	50

- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR - GRAY. ELECTRICALLY ENHANCED GROUND INSERT: CONDUCTIVE RESIN. COLOR - RED. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA. SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS. NICKEL (Ni) OVERALL.
 3. THESE PARTS CONFORM 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-70873-5058.
 7. MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
 8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE PIN, HOLE TO BE PLATED, DRILL SIZE Ø2.58. PAD SIZE Ø5.50.
 9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

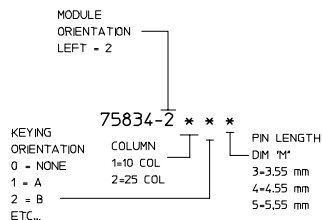


BACKPLANE HOLE PATTERN (COMPONENT SIDE-10 POS SHOWN)



LEAD-FREE PLATING ON SIGNALS & GROUND

P/N	-xx0*	-xx1*	-xx2*	-xx3*	-xx4*	-xx5*	-xx6*	-xx7*	-xx8*
75834-(-)	0	A	B	C	D	E	F	G	H
KEYING PIN ORIENTATION									



ADD 5-COL PART EC NO: UCP2008-0466 DRAWN: JB INGHAM CHKD: CHKOL APPR: JLAIRX REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE GBX 2-PAIR LF BACKPLANE ELECTRICALLY ENHANCED LEFT END SALES ASSEMBLY MOLEX INCORPORATED
			mm	INCH	DRAWN BY JB INGHAM	DATE 2007/05/01	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75834-210	SHEET NO. 1 OF 1	
			4 PLACES ±	±	CHECKED BY	DATE				
			3 PLACES ±	±	SREED	2007/05/01				
			2 PLACES ±	±	APPROVED BY	DATE				
1 PLACE ±	±	SREED	2007/05/01	MOLEX INCORPORATED						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										