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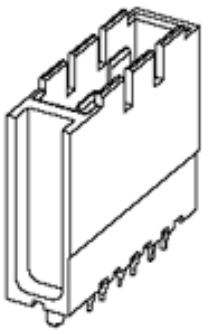
Part Number: 0753310533
Status: Active
Overview: gbx_backplane_connector_system
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Power Module, 6 Circuits, 1.27µm (50µ") Gold (Au), Lead Free

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



Series image - Reference only

General

Product Family	Backplane Connectors
Series	75331
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Blade Length A 7.50mm, B 6.00mm, C 6.00mm
Component Type	Power Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	6
Circuits (maximum)	6
Circuits Detail	Rows A, B & C
Color - Resin	Gray (Dark)
Durability (mating cycles max)	200
First Mate / Last Break	Yes
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	N/A
Number of Pairs	3
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.090 In
PC Tail Length (mm)	2.28 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.000 In
Pitch - Mating Interface (mm)	0.00 mm
Pitch - Term. Interface (in)	0.102 In
Pitch - Term. Interface (mm)	2.60 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes
Stackable	No

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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
75331Series

Mates With
75292 GbX® Daughtercard

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

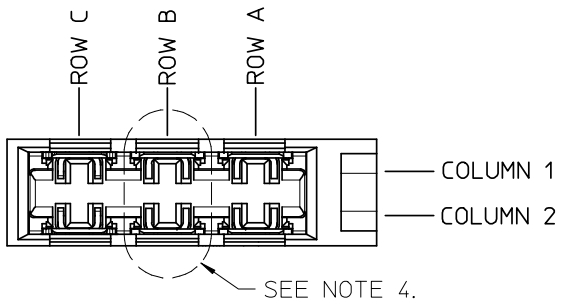
Electrical

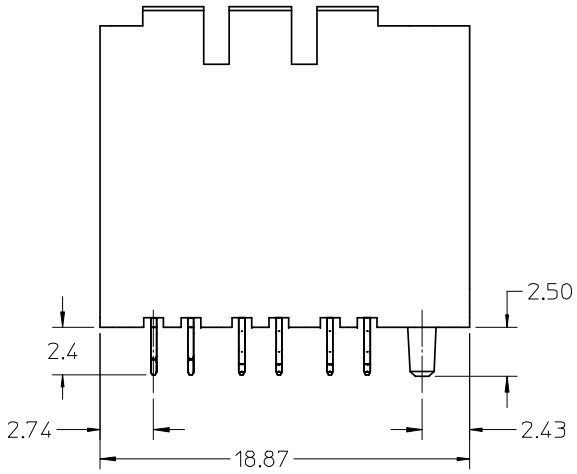
Current - Maximum per Contact	6A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	0
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

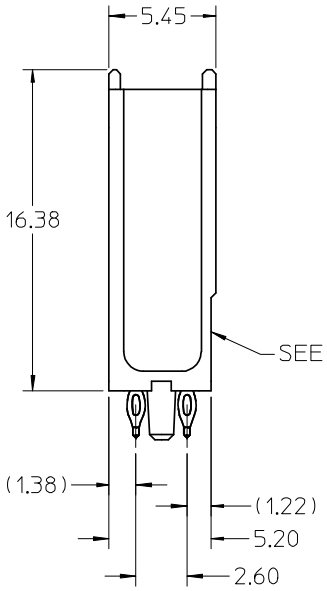
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-571
Product Specification	PS-75221-999
Sales Drawing	SD-75331-001

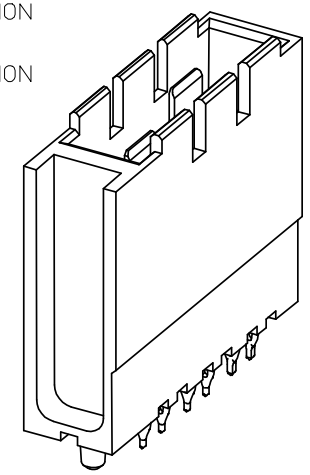






NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, GRAY, CONTACT - COPPER ALLOY.
2. FINISH: SELECT GOLD IN CONTACT AREA, 50 μ" THICK, TIN/LEAD OR MATTE TIN IN COMPLIANT AREA.
3. PACKAGING PER PK-70873-571.
4. CONTACTS IN EACH ROW HAVE THE SAME WIPE LENGTH.
5. BACKPLANE ASSEMBLY MATES WITH DAUGHTERCARD POWER MODULE 75292-3***.
6. PART SHOWN IS 75331-0467.
7. SEE OTHER SHEETS FOR ADDITIONAL NOTES.
8. WHEN INSERTING OPEN SIGNAL MODULES NEXT TO COLUMN 1 SIDE OF POWER MODULES, SIGNAL MODULES MUST BE INSERTED BEFORE THE POWERS TO AVOID INTERFERENCE BETWEEN THE TWO CONNECTOR HOUSINGS.
9. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002.



1-UP ASSEMBLY PART NUMBER

7 5 3 3 1 - 0 A B C

- TIN/LEAD PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C:

0 = VOID
4 = 4.5 mm WIPE
6 = 6.0 mm WIPE
7 = 7.5 mm WIPE

- LEAD-FREE PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C:

0 = VOID
2 = 4.5 mm WIPE
3 = 6.0 mm WIPE
5 = 7.5 mm WIPE

SPEC FILE CORRECTED
EC NO: UCP2008-2380 2008/03/27
DRWN:DVARVARA 2008/03/27
CH'KD:JBINGHAM 2008/03/31
APPR:JBINGHAM
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

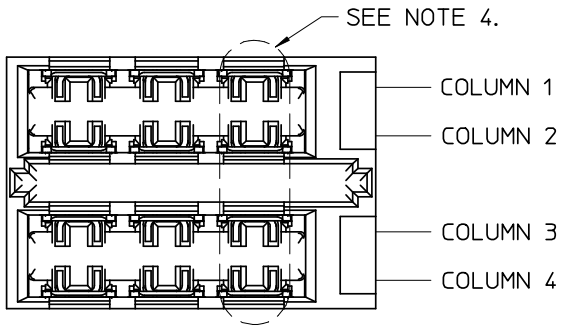
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	ELO	2005/02/18
CHECKED BY	ELO	2005/02/22
APPROVED BY	CUNNINGHAM	2005/02/23

TITLE: GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY

MOLEX INCORPORATED

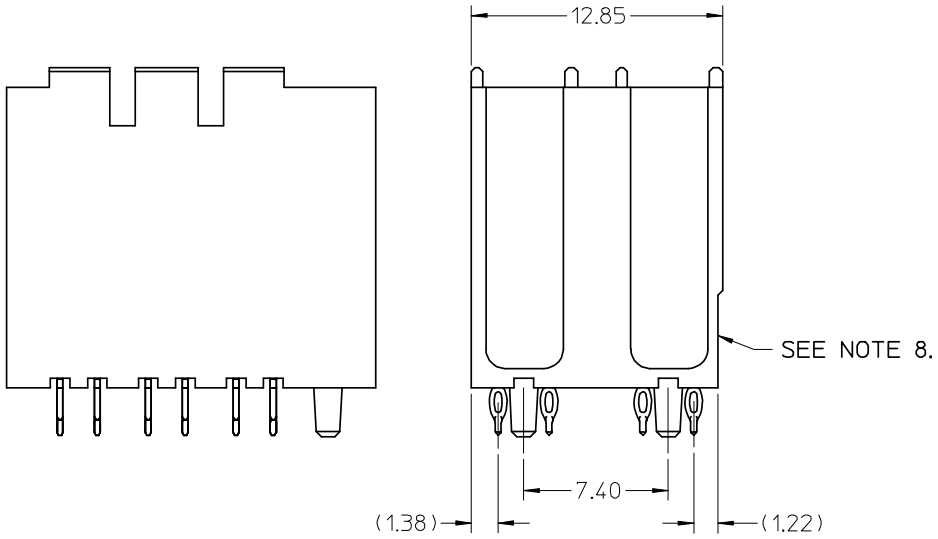
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75331-001
SHEET NO.: 1 OF 4
SIZE: B

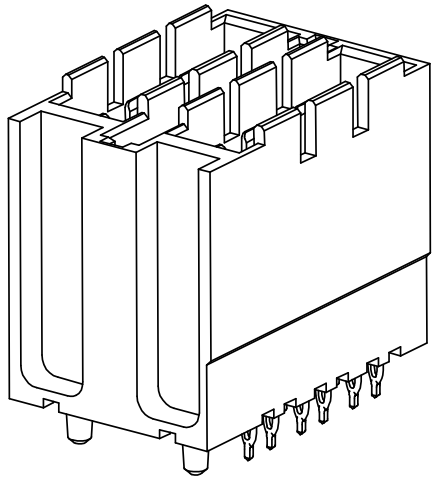


2-UP ASSEMBLY PART NUMBER

7 5 3 3 2 - 0 A B C

- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B, C:
0 = VOID
4 = 4.5 mm WIPE
6 = 6.0 mm WIPE
7 = 7.5 mm WIPE
- LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B, C:
0 = VOID
2 = 4.5 mm WIPE
3 = 6.0 mm WIPE
5 = 7.5 mm WIPE





SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

SEE SHEET ONE
EC NO: UCP2008-2380
DRWN:DVARVARA 2008/03/27
CHKD:JBINGHAM 2008/03/27
APPR:JBINGHAM 2008/03/31
DESCRIPTION
REV

QUALITY SYMBOLS
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Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

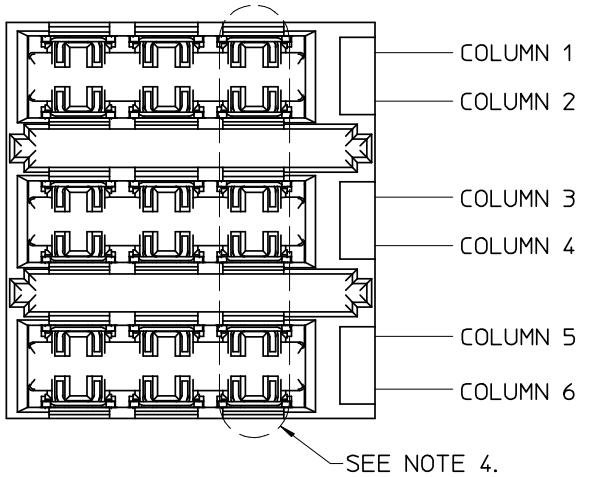
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: ELO DATE: 2005/02/18
CHECKED BY: ELO DATE: 2005/02/22
APPROVED BY: CUNNINGHAM DATE: 2005/02/23

TITLE: GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75331-001
SHEET NO.: 2 OF 4
SIZE: B



3-UP ASSEMBLY PART NUMBER

7 5 3 3 3 - 0 A B C

- TIN/LEAD PLATED PRODUCT -

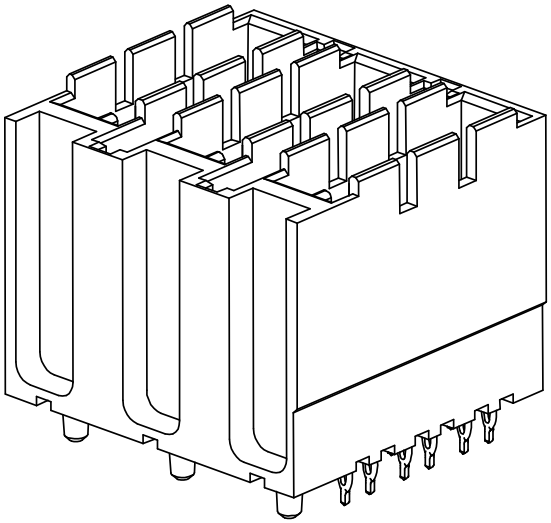
FOR EACH ROW LOCATION A, B, C:

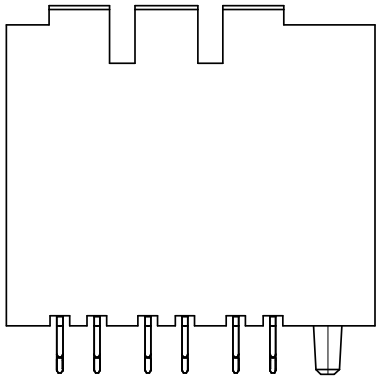
0 = VOID
4 = 4.5 mm WIPE
6 = 6.0 mm WIPE
7 = 7.5 mm WIPE

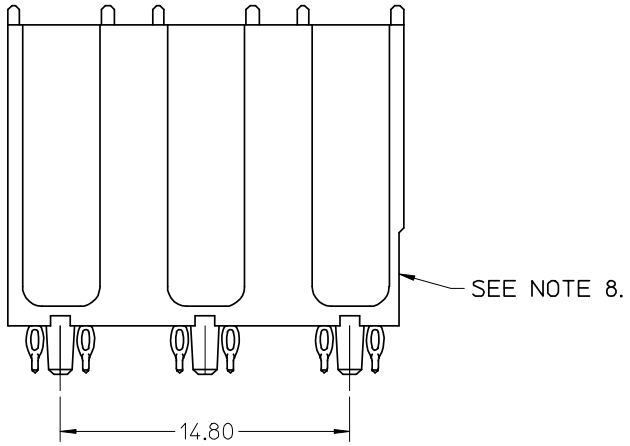
- LEAD-FREE PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C:

0 = VOID
2 = 4.5 mm WIPE
3 = 6.0 mm WIPE
5 = 7.5 mm WIPE







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CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

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DRWN:DVARVARA 2008/03/27
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ANGULAR ±---°		

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DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

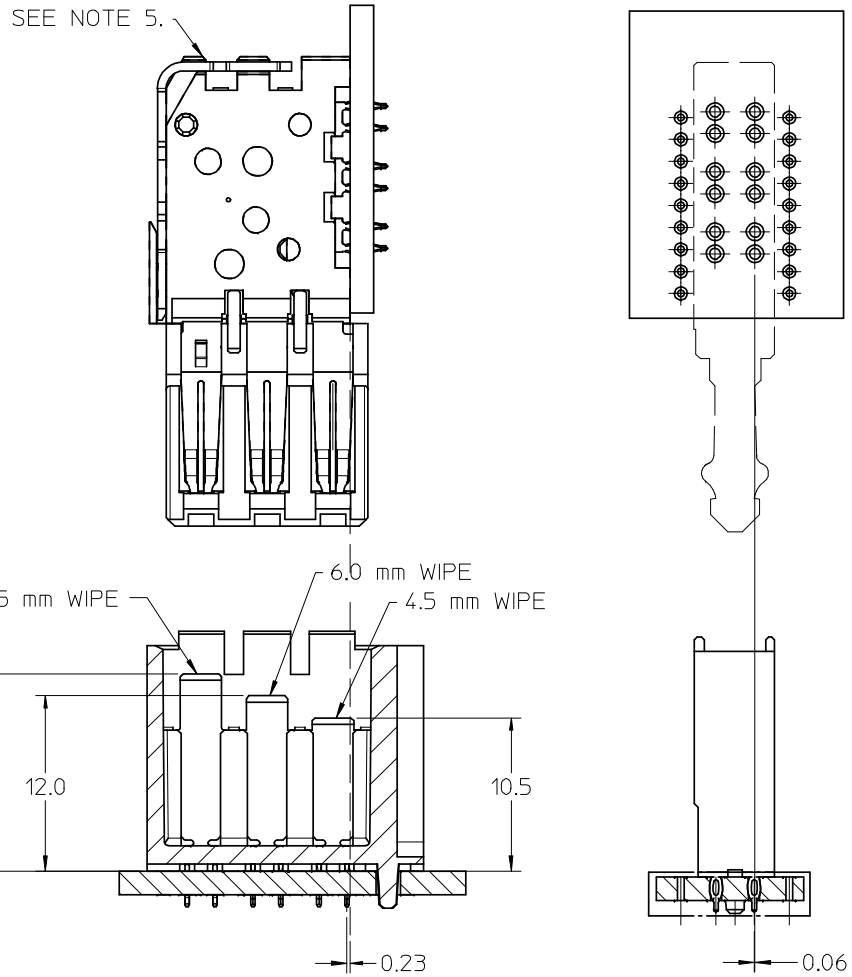
DRAWN BY: ELO DATE: 2005/02/18
CHECKED BY: ELO DATE: 2005/02/22
APPROVED BY: CUNNINGHAM DATE: 2005/02/23

TITLE: GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75331-001
SHEET NO.: 3 OF 4

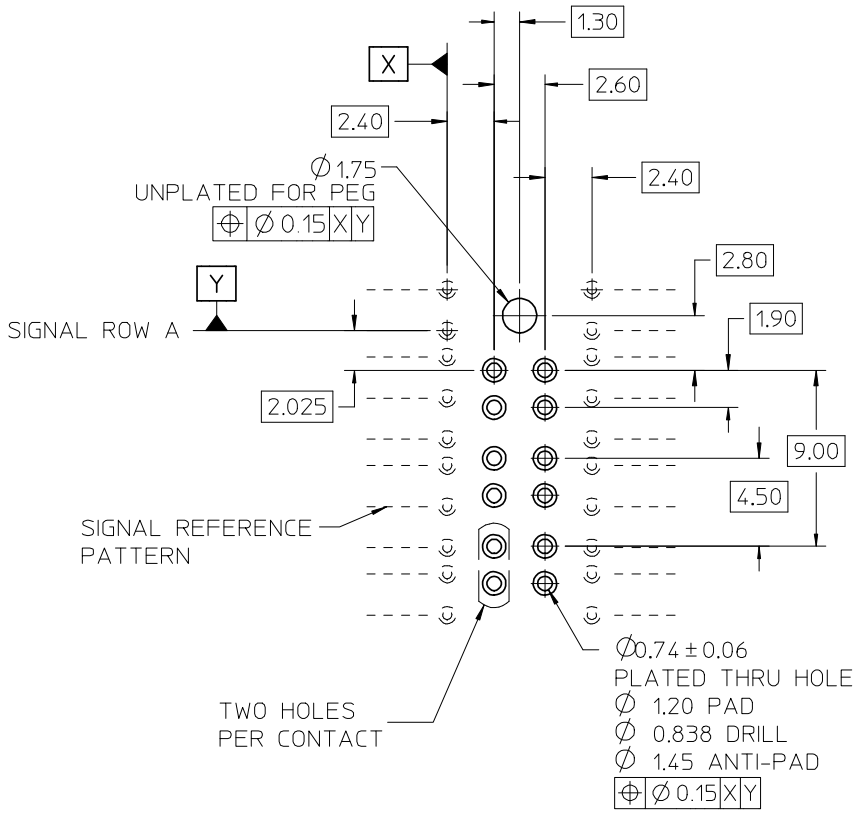
SIZE: B



DC BOARD EDGE TO
CENTERLINE OF BP TAIL

HOLE PATTERN FOR 1-UP ASSEMBLY

1.) ADD 7.40 FROM CENTERLINES OF PEGS FOR MULTIPLE UP ASSEMBLIES.
2.) ADD 5.55 FROM CENTERLINE TO CENTERLINE OF PEG
FOR INDIVIDUAL POWER MODULES STACKED NEXT
TO EACH OTHER.



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	mm	INCH
4 PLACES	± ---	± ---
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2 PLACES	± ---	± ---
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ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	ELO
DATE	2005/02/18
CHECKED BY	ELO
DATE	2005/02/22
APPROVED BY	CUNNINGHAM
DATE	2005/02/23
MATERIAL NO.	SEE PREVIOUS
TITLE	GBX 3 PAIR BACKPLANE POWER SALES ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-75331-001
SHEET NO.	4 OF 4
SIZE	B