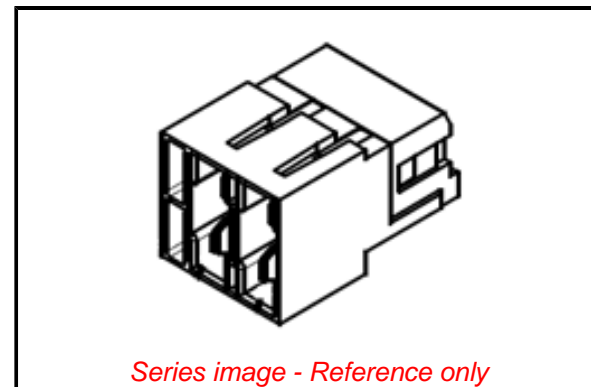


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**Part Number:** [0782341022](#)  
**Status:** **Active**  
**Overview:** GbX I-Trac Backplane Connector System  
**Description:** GbX I-Trac Right-Angle Header with Left Hold Down, Power Module, 2 Blades, 80 Amps, 2 Ganged Modules, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-78231-007-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-78234-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-78231-006-001 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Backplane Connectors
Series	78234
Application	Daughtercard
Component Type	Power Header
Overview	<a href="#">GbX I-Trac Backplane Connector System</a>
Product Name	GbX I-Trac
UPC	883906097448

**Physical**

Circuits (Loaded)	4
Circuits (maximum)	4
Circuits Detail	80 Amps (40/Split Blade). Power Module 1: Blade Length P1, 8.27mm; P2, 9.77mm. Power Module 2: Blade Length P1, 8.27mm; P2, 9.77mm
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	Yes
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
Net Weight	16.345/g
Number of Columns	1
Number of Pairs	6
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.41mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	2.00mm, 7.40mm
Pitch - Termination Interface	2.00mm, 7.40mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Stackable	No

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)9139-DC (19  
Jan 2021)  
Dodecamethylcyclotetrasiloxane  
Octamethylcyclotetrasiloxane  
Dodecamethylcyclotetrasiloxane  
heptacosafuorotetradecanoic  
acid  
Octamethylcyclotetrasiloxane  
Disodium 3,3'-[[1,1'-  
Biphenyl]-4,4'-  
Diylbis(Azo)  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
methoxyacetic acid  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8-  
pen  
tricosafuorododecanoic  
acid  
bis(2-(2-  
methoxyethoxy)ethyl)  
ether  
Dipentyl phthalate  
C,C'-  
azodi(formamide)  
6-methoxy-m-toluidine  
methoxyacetic acid  
sodium  
peroxometaborate  
Ammonium-  
pentadecafluorooctanoate  
hencosafuoroundecanoic  
acid  
C.I. Direct Black 38  
chromium trioxide  
1,3-Propanesultone

**China RoHS**

Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -20° to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

#### Electrical

Current - Maximum per Contact 80.0A  
Data Rate 12.0 Gbps  
Shield Type N/A  
Shielded No  
Voltage - Maximum 250V DC

#### Solder Process Data

Lead-free Process Capability N/A

#### Material Info

#### Reference - Drawing Numbers

Application Specification AS-78231-007-001  
Packaging Specification PK-78234-001-001  
Product Specification PS-78231-006-001  
Sales Drawing SD-78234-003-001

1-vinylimidazole  
4,4'-methylenedi-o-  
toluidine  
2-methylimidazole  
Dibutyltin-dichloride  
1,2-diethoxyethane  
6-methoxy-m-toluidine  
Dinoseb  
Phenanthrene  
Dihexyl-phthalate  
p-(1,1-  
dimethylpropyl)phenol  
Acetamide, N-methyl-  
dimethyl sulphate  
propylene oxide  
diethyl sulphate  
4-aminoazobenzene  
1,3,5-tris-[(2S  
and 2R)-2,3-  
epoxypropyl]-1,3,5-t  
Lead(II)  
methanesulfonate  
Fatty Acids, C16-18,  
Lead Salts  
Dinoseb  
2-Methoxyethyl  
acetate  
furan  
Ethylenediamine  
1-bromopropane  
nitrobenzene  
4-tert-butylphenol  
4-o-tolylazo-o-  
toluidine  
Imidazolidine-2-thione  
4-methyl-m-  
phenylenediamine  
o-toluidine  
butyl 4-  
hydroxybenzoate  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
Reaction  
products of 1,3,4-  
thiadiazolidine-2,5-d  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Chrysene  
Cadmium nitrate  
Benz[a]anthracene  
Pyrene  
Fluoranthene  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
2,3,3,3-tetrafluoro-2-  
(heptafluoropropoxy)propio  
Nonadecafluorodecanoic  
acid (PFDA) and its  
sodiu  
4-Heptylphenol,  
branched and linear  
4-Nonylphenol,  
branched and linear,  
ethoxylated

Reaction  
products of 1,3,4-  
thiadiazolidine-2,5-d  
Perfluorohexane-1-  
sulphonic acid and its  
salts  
5-sec-butyl-2-(2,4-  
dimethylcyclohex-3-  
en-1-yl)-5  
1,2-  
benzenedicarboxylic  
acid, di-C6-10-alkyl  
est  
reaction mass of  
2-ethylhexyl 10-  
ethyl-4,4-dioct  
Cadmium sulphate  
Sodium perborate;  
perboric acid, sodium  
salt  
Methylhexahydrophthalic  
anhydride  
hexahydro-2-  
benzofuran-1,3-dione  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
Perfluorononan-1-  
oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
Dioctyltin dilaurate,  
stannane, dioctyl-,  
bis(co  
4-Nonylphenol,  
branched and linear,  
ethoxylated  
n-pentyl-  
isopentylphthalate  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
2-benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
4,4-  
isobutylethylidenediphenol  
2-Methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop  
1,2-  
Benzenedicarboxylic  
acid, dipentyl ester, br  
pentacosafuorotridecanoic  
acid  
diisohexyl phthalate  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
Dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,

1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]n-pentylisopentylphthalate  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
Trixylyl phosphate  
4-Nonylphenol, branched and linear [substances w  
Acids generated from chromium trioxide and their  
Zirconia  
Aluminosilicate  
Refractory Ceramic Fibr  
Aluminosilicate  
Refractory Ceramic Fibres  
4,4'-Oxydianiline and its salts  
Boric acid  
Disodium tetraborate  
Hydrazine  
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT  
1,2,3-Trichloropropane  
1-Methyl-2-pyrrolidone  
1,2-Benzenedicarboxylic acid, di-C7-11-branched  
Strontium-chromate  
2-Ethoxyethyl acetate  
Cobalt sulphate  
Cobalt-dinitrate  
Acetic acid, cobalt(2+) salt  
Carbonic acid, cobalt(2+) salt (1:1)  
2-Ethoxyethanol  
Trichloroethylene  
1,2-Benzenedicarboxylic acid, di-C6-8-branched a  
Formaldehyde, polymer with benzenamine  
Pentazinc-chromate-octahydroxide  
1,2-dichloroethane  
Trilead-diarsenate  
2-methoxyaniline  
Arsenic-acid  
N,N-dimethylacetamide (DMAc, DMA)  
Lead-dipicrate

Potassium  
hydroxyoctaoxidizincatedichromate  
bis(2-methoxyethyl)  
ether  
Calcium-arsenate  
1,2-  
Benzenedicarboxylic  
acid, di-C6-8-  
branched a  
Boric acid, disodium  
salt, hydrate  
Anthracene oil,  
anthracene paste,  
distn. lights;  
Anthracene oil,  
anthracene paste,  
anthracene fra  
Anthracene oil,  
anthracene paste;  
Anthracene Oil  
Anthracene oil;  
Anthracene oil  
2,4-Dinitrotoluene  
Butylbenzylphthalate  
Arsenic acid  
(H3AsO4), lead(2+)  
salt (1:1)  
Di-(2-  
ethylhexyl)phthalat  
Dibutylphthalate  
4,4'-  
diaminodiphenylmethane  
Arsenic acid  
(H3AsO4), triethyl  
ester  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
Boric acid, disodium  
salt, hydrate  
Sodium-chromate  
Potassium-dichromate  
Potassium-chromate  
Ammonium-  
dichromate  
Tris(2-chloroethyl)  
phosphate  
Pitch, coal tar, high-  
temp.  
Lead sulfochromate  
yellow  
Lead chromate  
molybdate sulfate red  
Lead chromate  
Diisobutyl-phthalate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
Formaldehyde,  
polymer with  
benzenamine  
Pentalead-tetraoxide-  
sulphate  
Lead-titanium-trioxide

Lead oxide sulfate  
(Pb<sub>2</sub>O(SO<sub>4</sub>))  
Silicic acid, lead salt  
Cadmium-chloride  
Lead-dinitrate  
pyrochlore, antimony  
lead yellow  
Cadmium-fluoride  
Cadmium  
 $\alpha,\alpha$ -Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
[4-[[4-Anilino-1-  
naphthyl]]4-  
(dimethylamino)phen  
Trilead-dioxide-  
phosphonate  
Fatty Acids, C16-18,  
Lead Salts  
[Phthalato(2-)]dioxotrilead  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
Sulfurous Acid, Lead  
Salt, Dibasic  
Acetic Acid, Lead  
Salt, Basic  
Cadmium Hydroxide  
Cyanamide, lead(2+)  
salt (1:1)  
Borate(1-),  
tetrafluoro-, lead (2+)  
Lead titanium  
zirconium oxide  
Dioxobis(stearato)trilead  
Tetralead-trioxide-  
sulphate  
Trilead-dioxide-  
phosphonate  
1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
1,2-bis(2-  
methoxyethoxy)ethane  
1,2-Dimethoxyethane  
N,N,N',N'-  
tetramethyl-4,4'-  
methylenedianiline  
4,4'-  
bis(dimethylamino)benzophenone  
Tetraethyllead  
formamide  
2,2'-dichloro-4,4'-  
methylenedianiline  
Dichromium  
tris(chromate)  
phenolphthalein  
Lead-diazide  
1,2-  
Benzenedicarboxylic  
acid, bis(2-  
methoxyethyl  
Lead di(acetate)

1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
Lead Oxide  
Trilead bis(carbonate)  
dihydroxide  
Lead(II,IV)-oxide  
Cadmium-sulphide  
Cadmium-oxide  
Diboron-trioxide  
Decabromodiphenylether  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
Cadmium-carbonate  
Lead di(acetate)

**Halogen-Free**

**Status**

**Low-Halogen**

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China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[78234](#) Series

**Mates With**

[78232](#) GbX I-Trac Vertical Receptacle,  
Power Module, [78235](#) GbX I-Trac Power  
Right Angle Receptacle

**Use With**

[75710](#) GbX I-Trac Right Angle, 11 Row  
Receptacle Module

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