

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0767106210](#)  
**Status:** **Active**  
**Description:** 1.40mm (0.055") Pitch Tinman Vertical Receptacle, Dual End, 5 Pair, 10 Column, 150 Circuits, 85 Ohms, Lead Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">76710</a>
Application	Backplane
Comments	85 Ohms
Component Type	PCB Receptacle
Product Name	Tinman
Style	N/A

**Physical**

Circuits (Loaded)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Resin	High Temperature Thermoplastic
Number of Columns	10
Number of Pairs	5
Number of Rows	15
Orientation	Vertical
PC Tail Length (in)	0.098 In
PC Tail Length (mm)	2.50 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.055 In
PCB Thickness Recommended (mm)	1.40 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.074 In
Pitch - Mating Interface (mm)	1.90 mm
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-65°C to +90°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
Data Rate	10.0 Gbps
Shielded	No
Voltage - Maximum	250V AC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-70873-0063
Sales Drawing	SD-76710-6210

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Not Reviewed**  
**Halogen-Free  
Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of  
 Compliance, [click here](#)

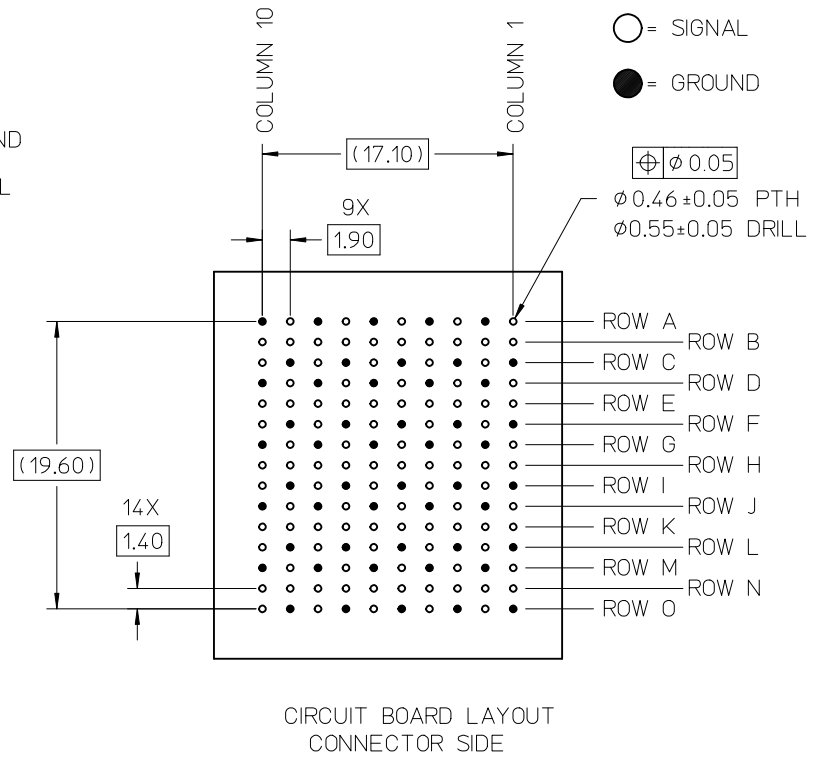
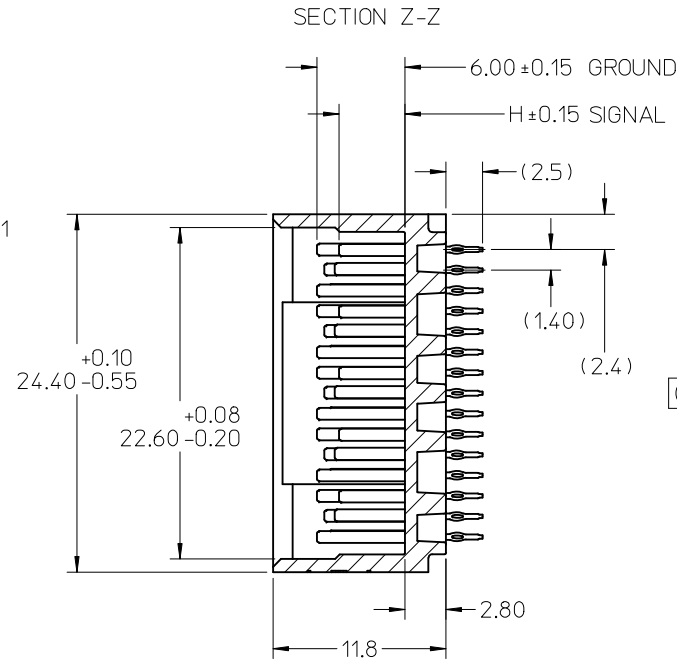
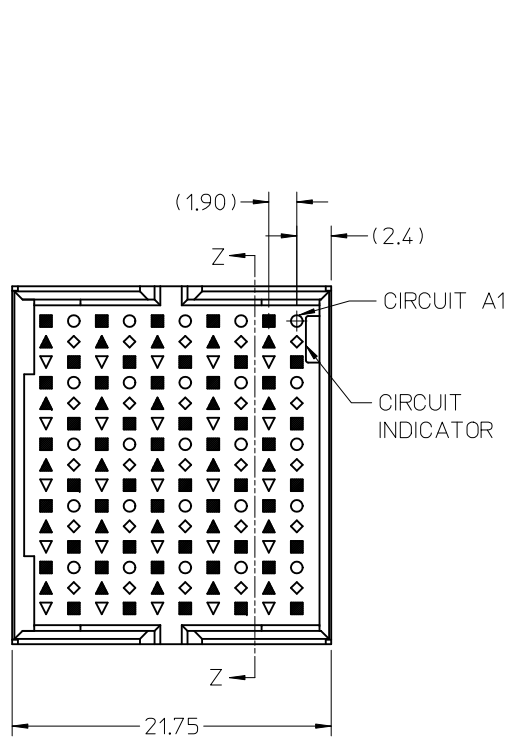
Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

**Search Parts in this Series**

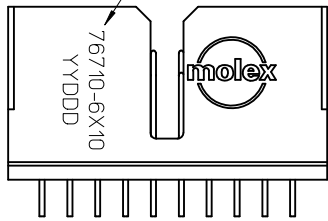
[76710Series](#)

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PART NUMBER & DATE CODE MARKING



NOTES:

1. MATERIALS: CONTACTS - COPPER ALLOY; HOUSING - LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, BLACK
2. FINISHES: SELECTIVE GOLD (Au) IN CONTACT AREA, SELECTIVE MATTE TIN (Sn) OR TIN/LEAD (Sn/Pb) IN TAIL AREA, NICKEL (Ni) OVERALL.
3. PARTS PACKAGED PER PK-70873-0063.
4. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION PS-76706-999.
5. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.
6. MINIMUM CIRCUIT BOARD THICKNESS: 1.4

SYMBOL	DIM H
■	6.0
▲	5.5
▽	5.2
◇	4.8
○	4.5

PART NUMBER	TAIL PLATING
76710-6210	MATTE TIN
76710-6310	TIN/LEAD

INITIAL RELEASE  
 EC NO: UCP2010-1117  
 DRAWN: JBINGHAM 2009/11/04  
 CHKD: JLAURX 2009/11/04  
 APPR: JLAURX 2009/12/21

QUALITY SYMBOLS  
 ▼=0  
 ▽=0

	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	± .13	± .005
3 PLACES	± .15	± .006
2 PLACES	± .20	± .008
1 PLACE	± .25	± .010
ANGULAR ± 2°		

DRAFT WHERE APPLICABLE  
 MUST REMAIN WITHIN DIMENSIONS

DESIGN STYLE  
**MM ONLY**

DRAWN BY: JBINGHAM  
 DATE: 2009/11/04

CHECKED BY: JLAURX  
 DATE: 2009/11/04

APPROVED BY: JLAURX  
 DATE: 2009/12/21

MATERIAL NO.  
**SEE CHART**

SCALE: 3:1  
 DESIGN UNITS: METRIC  
 THIRD ANGLE PROJECTION

TINMAN 5-PAIR 85-OHM  
 10-COL. VERTICAL HEADER  
 DUAL END SALES ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO. SD-76710-6210  
 SHEET NO. 1 OF 1

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