

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015473085](#)
Status: **Active**
Description: 1.27mm (.050") Pitch MX-50™ Slimline Ribbon Cable Connector, Feed-Through Version Preloaded Upper Housing, 8 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Ribbon Cable / Wire Trap Connectors
 Series [70121](#)
 Comments Feed-Through
 Component Type Housing
 Glow-Wire Compliant No
 Product Name MX-50™

Physical

Circuits (Loaded) 8
 Entry Angle 90° Angle
 Flammability 94V-0
 Lock to Mating Part Yes
 Number of Rows 2
 PCB Retention None
 Packaging Type Tube
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Polarized to Mating Part Yes
 Stackable No
 Surface Mount Compatible (SMC) N/A
 Temperature Range - Operating -40°C to +105°C
 Wire Insulation Diameter 1.14mm (.045") max.
 Wire Size AWG 26, 28
 Wire/Cable Type Ribbon Cable

Electrical

Current - Maximum per Contact 1A
 Voltage - Maximum 125V

Material Info

Old Part Number 70121-4062

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
 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

[70121Series](#)

Mates With

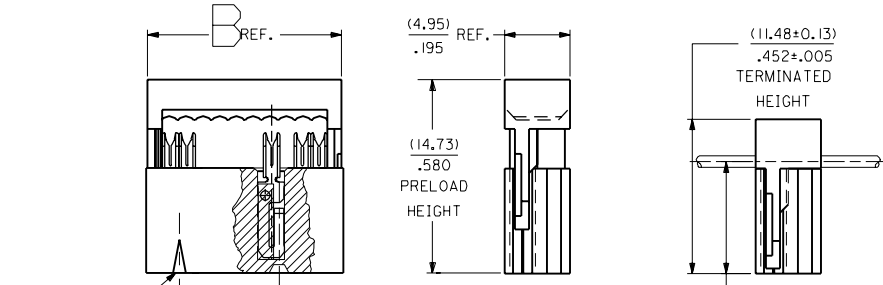
[8624](#) , [70203](#)

Use With

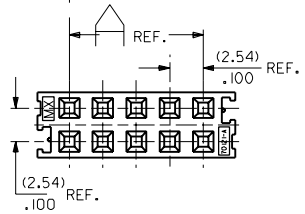
[6800](#) Tinned Molex cable (28 AWG), [40158](#)
 Topcoat Molex Cable (28 AWG), [8863](#)
 Tinned Molex Cable (26 AWG)

DIMENSIONS

	B	A	CKT. SIZE
	(9.91)	(5.08)	6
	.390	.200	
	(12.45)	(7.62)	8
	.490	.300	
	(14.99)	(10.16)	10
	.590	.400	
	(17.53)	(12.70)	12
	.690	.500	
	(20.07)	(15.24)	14
	.790	.600	
	(22.61)	(17.78)	16
	.890	.700	
	(25.15)	(20.32)	18
	.990	.800	
	(27.69)	(22.86)	20
	1.090	.900	
	(30.23)	(25.40)	22
	1.190	1.000	
	(32.77)	(27.94)	24
	1.290	1.100	
	(35.31)	(30.48)	26
	1.390	1.200	
	(40.39)	(35.56)	30
	1.590	1.400	
	(45.47)	(40.64)	34
	1.790	1.600	
	(48.01)	(43.18)	36
	1.890	1.700	
	(53.09)	(48.26)	40
	2.090	1.900	
	(65.79)	(60.96)	50
	2.590	2.400	
	(78.49)	(73.66)	60
	3.090	2.900	
	(83.57)	(78.74)	64
	3.290	3.100	

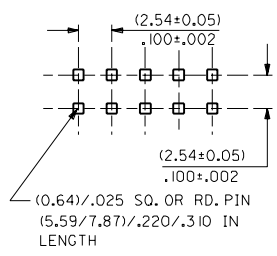


CIRCUIT #1 IDENTIFIER



NOTES

- 10 CKT. SIZE SHOWN FOR ILLUSTRATION PURPOSES.
- FOR USE WITH AWG #26 AND #28 STRANDED WIRE (1.14)/.045 MAX. DIAMETER INSULATION RIBBON CABLE WITH (1.27)/.050 ϵ .
- MATERIALS:
HOUSING, UPPER AND LOWER ARE POLYESTER G.F., 94V-0. COLOR-BLACK
TERMINAL-(0.25)/.010 THICK BERYLLIUM COPPER ALLOY 165, 1/4H.M.
PLATING: SEE SHEET 2
- PRODUCT SPECIFICATION 70121-**** APPLIES.



RECOMMENDED P.C.B. PIN-OUT

2	G	A1	REVISIONS
1	G		
			MFG. SH. REV. LTR.

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$

	INCH	METRIC
3 PLACE	$\pm .010$	---
2 PLACE	$\pm .014$	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

MOLEX INCORPORATED
LITTLE ROCK, AR 72102 U.S.A.

SALES ASSEMBLY IDT RIBBON CABLE CONNECTOR STACKABLE IN X-Y PLANES (CABLE FEED THROUGH)

SEE CHART

SDA-70121-4***

DATE: 8/1/86

FILE NAME: S101214X1.DWG

SCALE: 4:1

SIZE: TC

	13	12	11	10	9	8	7	6	70121	4	3	2	1																																																																							
J	STANDARD PACKAGING IN TUBES FOR TUBE FED TERMINATION EQUIP. PER PK-70873-0056 (85-22-0056)								A-70121-4076/4100		A-70121-4101/4125				J																																																																					
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	14	15-47-3141	A-70121-4002	15-47-3142	A-70121-4015	15-47-3145	A-70121-4028																																																																													
	16	15-47-3161	A-70121-4003	15-47-3162	A-70121-4016	15-47-3165	A-70121-4029																																																																													
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	22	15-47-3221	A-70121-4042	15-47-3222	A-70121-4053	15-47-3225	A-70121-4064																																																																													
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	34	15-47-3341	A-70121-4008	15-47-3342	A-70121-4021	15-47-3345	A-70121-4034																																																																													
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	60	15-47-3601	A-70121-4012	15-47-3602	A-70121-4025	15-47-3605	A-70121-4038																																																																													
	64	15-47-3641	A-70121-4013	15-47-3642	A-70121-4026	15-47-3645	A-70121-4039																																																																													
F	<p>PLATING CODES</p> <p>574 - .000030 MIN. GOLD PLATE IN SELECTED AREA AN .000075 MIN. TIN/LEAD IN SELECTED AREA OVER NICKEL OVERALL</p> <p>571 - .000015 MIN. GOLD PLATE IN SELECTED AREA AN .000075 MIN. TIN/LEAD IN SELECTED AREA OVER NICKEL OVERALL</p> <p>164 - .000150 MIN. TIN/LEAD OVER NICKEL OVERALL.</p>													F																																																																						
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A	<table border="1"> <tr> <td colspan="2">DIMENSIONS SHOWN (METRIC) INCH</td> <td colspan="2">UNLESS OTHERWISE SPECIFIED TOLERANCES ANGLES ARE 1/2°</td> <td colspan="2">▽ = 0</td> <td colspan="2">◻ = 0</td> <td colspan="2">REVISIONS</td> <td colspan="2">MFG. SH. REV. LTR.</td> <td colspan="2">REVISE ONLY ON CAD SYSTEM</td> </tr> <tr> <td colspan="2">3 PLACE ± .010 ---</td> <td colspan="2">INCH METRIC</td> <td colspan="2">TITLE</td> <td colspan="2">SALES ASSEMBLY IDT RIBBON CABLE CONNECTOR STACKABLE IN X-Y PLANES (CABLE FEED THROUGH)</td> <td colspan="2">PART NO.</td> <td colspan="2">SHEET NO.</td> <td colspan="2">DATE</td> </tr> <tr> <td colspan="2">2 PLACE ± .014 ± 0.25</td> <td colspan="2">1 PLACE --- ± 0.35</td> <td colspan="2">MOLEX INCORPORATED</td> <td colspan="2">60532</td> <td colspan="2">2</td> <td colspan="2">8 / 1 / 86</td> <td colspan="2">U.S.A.</td> </tr> <tr> <td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td> <td colspan="2">SEE CHART</td> <td colspan="2">SDA-70121-4***</td> <td colspan="2">FILE NAME</td> <td colspan="2">S701214X2</td> <td colspan="2">DWG. NO.</td> <td colspan="2">DA C</td> </tr> <tr> <td colspan="2">DRWG. BY: WJF</td> <td colspan="2">CHK'D. BY:</td> <td colspan="2">SCALE</td> <td colspan="2">4 : 1</td> <td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td> <td colspan="2">DA C</td> <td colspan="2">SIZE</td> </tr> </table>													DIMENSIONS SHOWN (METRIC) INCH			UNLESS OTHERWISE SPECIFIED TOLERANCES ANGLES ARE 1/2°		▽ = 0		◻ = 0		REVISIONS		MFG. SH. REV. LTR.		REVISE ONLY ON CAD SYSTEM		3 PLACE ± .010 ---		INCH METRIC		TITLE		SALES ASSEMBLY IDT RIBBON CABLE CONNECTOR STACKABLE IN X-Y PLANES (CABLE FEED THROUGH)		PART NO.		SHEET NO.		DATE		2 PLACE ± .014 ± 0.25		1 PLACE --- ± 0.35		MOLEX INCORPORATED		60532		2		8 / 1 / 86		U.S.A.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-70121-4***		FILE NAME		S701214X2		DWG. NO.		DA C		DRWG. BY: WJF		CHK'D. BY:		SCALE		4 : 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DA C		SIZE	
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