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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0015473101

Status: Active

Description: 1.27mm (.050") Pitch MX-50™ Slimline Ribbon Cable Connector, Feed-Through Version Preloaded Upper Housing, 10 Circuits

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (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)	10
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	70121-4001

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.

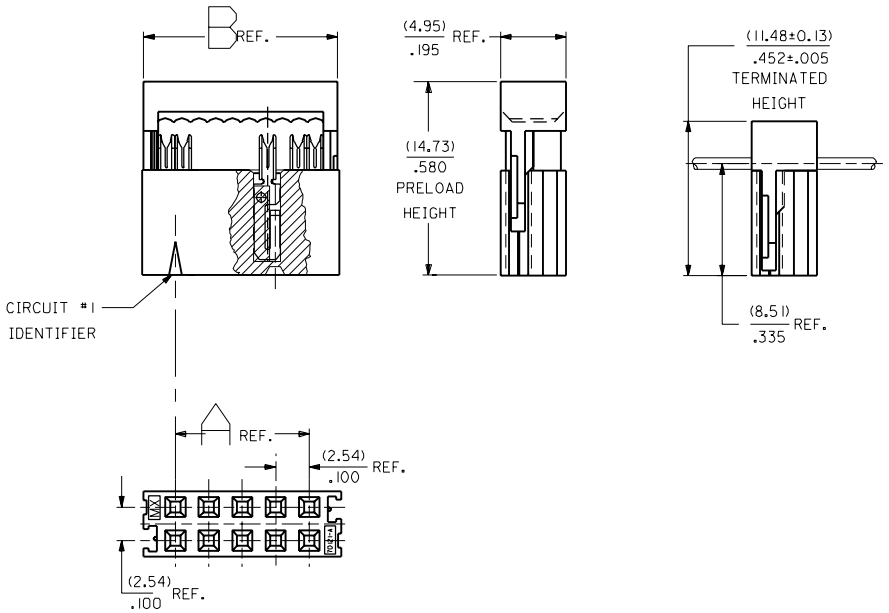
Search Parts in this Series
70121Series

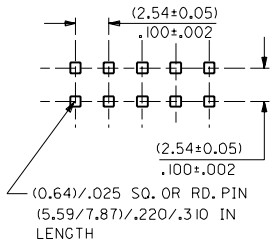
Mates With
8624 , 70203

Use With
6800 Tinned Molex cable (28 AWG), 40158 Topcoat Molex Cable (28 AWG), 8863 Tinned Molex Cable (26 AWG)

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NOTES

1. 10 CKT. SIZE SHOWN FOR ILLUSTRATION PURPOSES.
2. FOR USE WITH AWG #26 AND #28 STRANDED WIRE (1.14)/.045 MAX. DIAMETER INSULATION RIBBON CABLE WITH (1.27)/.050 ℄.
3. 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
4. PRODUCT SPECIFICATION 70121-•••• APPLIES.

RECOMMENDED P.C.B. PIN-OUT

70121

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

MFG.	SH.	REV.	LTR.	REVISIONS
			G	REMOVED TAPE PACK PER UDT2000-0214 J. LONG 99/08/25
			F2	ADD 22 CKT EDPS PER ECR # U80906 ELO 97/09/25
			F1	ADDED 22 CKT EDP PER ECR # U80278 MCGRATH 97/07/09
			F	CHANGED MATERIAL PER ECR # U51214 95/06/06 CAC
			E1	ADDED EDP NOS. PER U31793 93/12/09 RB
			E	REVISED PER U30209 93/05/06 RB
			D9	CHG 12 CKT EDP PER U30679 93/05/05 RB
			D8	ADDED 18 CKT EDP PER U20535 92/04/03 RB
			D7	ADDED 18 CKT. PER U20361 92/03/06 RB
			D6	ADDED 12 CIRCUIT PER U10987 91/05/23 RB
			D5	ADDED EDP NO. PER ERO #29672 90/03/15 RB
			D4	ADDED EDP NO. PER ERO# 29170 11-10-89 BRINKMAN
			D3	ADDED EDP NO. PER ERO# 28471 5-31-89 BRINKMAN
			D2	ADDED 22 CKT. PER ERO# 27508 11-15-88 BRINKMAN
			D1	ADDED EDP NO. PER ERO# 26522 5/11/88 BRINKMAN
			D	REVISED PER ECR# U81169 4/20/88 BRINKMAN
			C	ADDED PKG. NOTE PER ECN # U80067 01/25/88 DB/JL
			B	REVISED PER ECR# 10643 11/19/87 BRINKMAN
2	G		A1	REDRAWN ON CAD ERO #22205 4/21/86 WJF/RB
1	G			

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY WJF | CHK'D. BY D B | APP'D. BY | SCALE 4 : 1

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

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 1 OF 2 | DATE 8 / 1 /86

PART NO. SEE CHART | DRWG. NO. SDA-70121-4•••

FILE NAME S70121X1.DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIV. TC | SIZE C

70121

STANDARD PACKAGING IN TUBES FOR TUBE FED TERMINATION EQUIP. PER PK-70873-0056 (85-22-0056)

CKT. SIZE	SEE PLATING NOTE (571) EDP NO.	ENG. NO.	SEE PLATING NOTE (574) EDP NO.	ENG. NO.	SEE PLATING NOTE (164) EDP NO.	ENG. NO.	A-70121-4076/4100 SEE PLATING NOTE ( ) EDP NO.	ENG. NO.	A-70121-4101/4125 SEE PLATING NOTE ( ) EDP NO.	ENG. NO.
6	15-47-3061	A-70121-4040	15-47-3062	A-70121-4051	15-47-3065	A-70121-4061				
8	15-47-3081	A-70121-4041	15-47-3082	A-70121-4052	15-47-3085	A-70121-4062				
10	15-47-3101	A-70121-4001	15-47-3102	A-70121-4014	15-47-3105	A-70121-4027				
12	15-47-3120	A-70121-4043	15-47-3122	A-70121-4054	15-47-3125	A-70121-4065				
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				
18	15-47-3181	A-70121-4044	15-47-3182	A-70121-4055	15-47-3185	A-70121-4066				
20	15-47-3201	A-70121-4004	15-47-3202	A-70121-4017	15-47-3205	A-70121-4030				
22	15-47-3221	A-70121-4042	15-47-3222	A-70121-4053	15-47-3225	A-70121-4064				
24	15-47-3241	A-70121-4005	15-47-3242	A-70121-4018	15-47-3245	A-70121-4031				
26	15-47-3261	A-70121-4006	15-47-3262	A-70121-4019	15-47-3265	A-70121-4032				
30	15-47-3301	A-70121-4007	15-47-3302	A-70121-4020	15-47-3305	A-70121-4033				
34	15-47-3341	A-70121-4008	15-47-3342	A-70121-4021	15-47-3345	A-70121-4034				
36	15-47-3361	A-70121-4009	15-47-3362	A-70121-4022	15-47-3365	A-70121-4035				
40	15-47-3401	A-70121-4010	15-47-3402	A-70121-4023	15-47-3405	A-70121-4036				
50	15-47-3501	A-70121-4011	15-47-3502	A-70121-4024	15-47-3505	A-70121-4037				
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				

PLATING CODES

574 - .000030 MIN. GOLD PLATE IN SELECTED AREA AN .000075 MIN. TIN/LEAD IN SELECTED AREA OVER NICKEL OVERALL

571 - .000015 MIN. GOLD PLATE IN SELECTED AREA AN .000075 MIN. TIN/LEAD IN SELECTED AREA OVER NICKEL OVERALL

164 - .000150 MIN. TIN/LEAD OVER NICKEL OVERALL.

G	SEE SHEET 1
F2	SEE SHEET 1
F1	SEE SHEET 1
E1	SEE SHEET 1
E	SEE SHEET 1
D9	SEE SHEET 1
D8	SEE SHEET 1
D7	SEE SHEET 1
D6	SEE SHEET 1
D5	SEE SHEET 1
D4	SEE SHEET 1

70121

MFG.	SH.	REV.	LTR.	REVISIONS
				REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY: WJF | CHK'D. BY: | APP'D. BY: | SCALE 4 : 1

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

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 2 | DATE 8 / 1 /86

PART NO.: SEE CHART | DRWG. NO.: SDA-70121-4•••

FILE NAME: S70121AX2.DGN

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DIV. DA | SIZE C