

Excellent Integrated System Limited

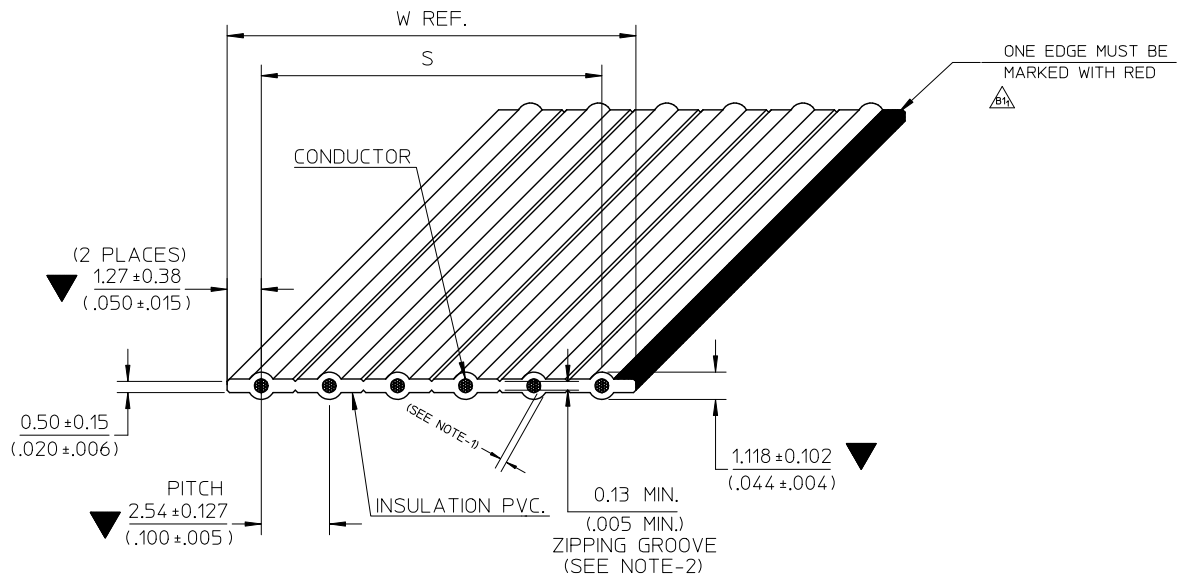
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[82-24-5912](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
- THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: N/A

PRODUCT APPLICATION	
☒	GENERAL USE
☐	AUTOMOTIVE
☐	MEDICAL DEVICE

SEE CHANGE DETAIL				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
EC NO: TH 2011-0054						mm	INCH	NTS	INCH		
B1	E-10-0371	B1: REMOVE REELS MFG. IN NOG.	2010/10/08	▽=3 ▽=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED	
B	E-07-0748	B2: ADD NON-OPERATING TEMP.	2007/09/26		3 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18		
		B3: ADD SOLDERING CONDITION			2 PLACES	± ---	± ---	CHECKED BY	DATE		
		B2: CHANGE ELECTRICAL			1 PLACE	± ---	± ---	PMEECHA1	2006/07/18		
		B1: CHANGE WEB THICKNESS			APPROVED BY		DATE	SVIRAT JAPOL	2006/07/18		
A	N/A	NEW RELEASE	2006/07/18	ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
REV. HISTORY	EC NO.	DETAIL	DATE	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-8997-001		1 OF 3
B1					SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.54 (.100") ϕ TO ϕ
WIRE GAUGE _ _ _ _ _ 24 AWG(7/32) STRANDED TOPCOATED
INSULATION _ _ _ _ _ P.V.C GRAY (LEAD FREE)

AGENCY

U.L. STYLE NO. _ _ _ _ _ 2651
TEMPERATURE RATING _ _ _ _ _ -20°C TO 105°C
VOLTAGE RATING _ _ _ _ _ 300V.MAX.
FLAMMABILITY RATING _ _ _ _ _ VW-1

ELECTRICAL

CONDUCTOR RESISTANCE (D.C.) _ _ _ _ _ 27m. OHMS/FT. MAX.
CHARACTERISTIC IMPEDANCE _ _ _ _ _ 134 OHMS NOM. (GS)
114 OHMS NOM. (GSG)
CAPACITANCE _ _ _ _ _ 6.6 pF/FT. NOM. (GS)
12.0 pF/FT. NOM. (GSG)
PROPAGATION DELAY _ _ _ _ _ 1.4 ns/FT. NOM.
INSULATION RESISTANCE _ _ _ _ _ 10M OHMS (10FT. SAMPLE)
DIELECTRIC WITHSTAND VOLTAGE _ _ _ _ _ 2000 VRMS/MINUTE

GENERAL

NON-OPERATING TEMPERATURE _ _ _ _ _ -20°C TO 105°C
FAULTS AND/OR SPLICES _ _ _ _ _ 1/REEL MAX. 100 $\pm$ ³₀ FT. (30.48 $\pm$ ^{0.914}₀ M.)/REEL
20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

SOLDER TEMPERATURE _ _ _ _ _ 260°C. MAX.
SOLDERING TIME _ _ _ _ _ 3 SECOND. MAX.
INSULATION SHRINK _ _ _ _ _ 2MM. NOM.

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSKHOM 2010/10/08 CHKD:PMEECHAI 2011/01/25 APPR:SVIRAT JAPOL 2011/03/31 B1	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			MM/IN		NTS	INCH				
			mm	INCH	DRAWN BY	DATE	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED			
		4 PLACES	± ---	± ---	CPANSKHOM	2006/07/18				
		3 PLACES	± ---	± ---	CHECKED BY	DATE	MATERIAL NO.			
		2 PLACES	± ---	± ---	PMEECHAI	2006/07/18				
		1 PLACE	± ---	± ---	APPROVED BY	DATE	SHEET NO. 2 OF 3			
ANGULAR ± ---°		SVIRAT JAPOL		2006/07/18	SD-8997-001					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SIZE A4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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7	6	5	4	3	2	1
CHART A						
DIMENSIONS MM. (INCHES)						
ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)		
8997-02-100B	82-24-5902	2	2.54±0.127(.100±.005)	5.08 (.200)		
↑ -03- ↑	↑ 03	3	5.08±0.20 (.200±.008)	7.62 (.300)		
↑ -04- ↑	↑ 04	4	7.62±0.30 (.300±.012)	10.16 (.400)		
↑ -05- ↑	↑ 05	5	10.16±0.33 (.400±.013)	12.70 (.500)		
↑ -06- ↑	↑ 06	6	12.70±0.33 (.500±.013)	15.24 (.600)		
↑ -07- ↑	↑ 07	7	15.24±0.33 (.600±.013)	17.78 (.700)		
↑ -08- ↑	↑ 08	8	17.78±0.33 (.700±.013)	20.32 (.800)		
↑ -09- ↑	↑ 09	9	20.32±0.33 (.800±.013)	22.86 (.900)		
↑ -10- ↑	↑ 10	10	22.86±0.33 (.900±.013)	25.40 (1.000)		
↑ -11- ↑	↑ 11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)		
↑ -12- ↑	↑ 12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)		
↑ -13- ↑	↑ 13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)		
↑ -14- ↑	↑ 14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)		
↑ -15- ↑	↑ 15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)		
↑ -16- ↑	↑ 16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)		
↑ -17- ↑	↑ 17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)		
↑ -18- ↑	↑ 18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)		
↑ -19- ↑	↑ 19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)		
↓ 8997-20-100B	↓ 82-24-5920	↓ 20	↓ 48.26±0.33 (1.900±.013)	↓ 50.80 (2.000)		

ENGINEERING NO.

8997-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 24AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/10/08 CHKD:PMEECHAI 2011/01/25 APPR:SVIRAT JAPOL 2011/03/31 B1	QUALITY SYMBOLS =  =  =  =  = =
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