



Excellent Integrated System Limited

Stocking Distributor

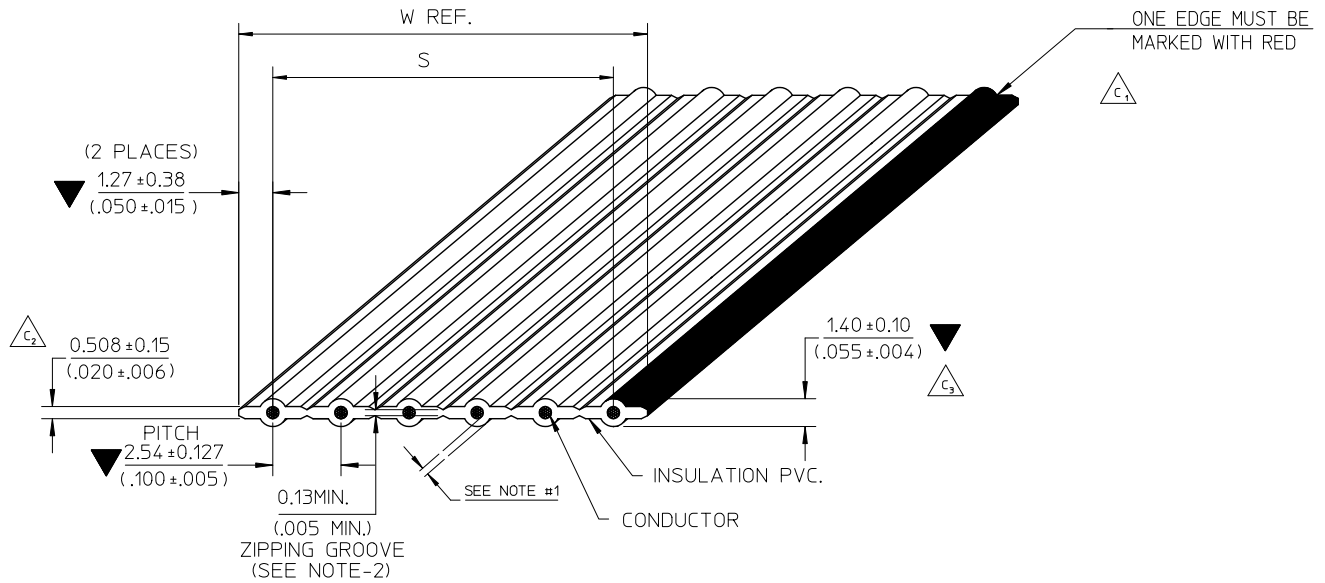
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[82-22-6012](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

7 6 5 4 3 2 1



- 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	
<input checked="" type="checkbox"/>	GENERAL USE
<input type="checkbox"/>	AUTOMOTIVE
<input type="checkbox"/>	MEDICAL DEVICE

<table border="1"> <tr> <th>REV.</th> <th>EC NO.</th> <th>DETAIL</th> <th>DATE</th> </tr> <tr> <td>C</td> <td>E-10-0371</td> <td>C₂, C₃ : CHANGE DIMENSION</td> <td>2010/11/12</td> </tr> <tr> <td>B</td> <td>E-07-0748</td> <td>B₂ : ADD NON-OPERATING TEMP. B₃ : ADD SOLDERING CONDITION</td> <td>2007/09/27</td> </tr> <tr> <td>A</td> <td>N/A</td> <td>NEW RELEASE</td> <td>2006/07/18</td> </tr> </table>	REV.	EC NO.	DETAIL	DATE	C	E-10-0371	C ₂ , C ₃ : CHANGE DIMENSION	2010/11/12	B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₃ : ADD SOLDERING CONDITION	2007/09/27	A	N/A	NEW RELEASE	2006/07/18	<p>SEE CHANGE DETAIL</p> <p>EC NO: THL2011-0054</p> <p>DRWN: CPANSAKHOM 2010/11/12</p> <p>CHKD: PMEECHA 2011/01/25</p> <p>APPR: SVIRATJAPOL 2011/03/31</p>	<p>QUALITY SYMBOLS</p> <p>▽=3</p> <p>▽=0</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>ANGULAR</td> <td>± ---°</td> <td></td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR	± ---°		<p>DIMENSION STYLE</p> <p>MM/IN</p> <p>DRAWN BY CPANSAKHOM DATE 2006/07/18</p> <p>CHECKED BY PMEECHA DATE 2006/07/18</p> <p>APPROVED BY SVIRATJAPOL DATE 2006/07/18</p> <p>MATERIAL NO. SEE CHART</p>	<p>SCALE NTS</p> <p>DESIGN UNITS INCH</p> <p>THIRD ANGLE PROJECTION</p>	<p>TITLE</p> <p>FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED</p> <p>molex MOLEX INCORPORATED</p>	<p>DOCUMENT NO. SD-8867-001</p> <p>SHEET NO. 1 OF 3</p>
	REV.	EC NO.	DETAIL	DATE																																					
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<p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p> <p>SIZE A 4</p> <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>																																									

1b_frame_A4_P_ME_T
Rev. E 2006/04/15

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 2.54 (.100") C TO C
 WIRE GAUGE ----- .22 AWG(7/30) 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.) ----- .17 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE ----- 128 OHMS NOM. (GS)
 104 OHMS NOM. (GSG)
 CAPACITANCE ----- 7.2 pF/FT. NOM. (GS)
 13.4 pF/FT. NOM. (GSG)
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.
 INSULATION RESISTANCE ----- 10 M 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±3 FT. (30.48±0.914 M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

SOLDER TEMPERATURE ----- 260°C. MAX.
 SOLDERING TIME ----- 3 SECONDS, MAX.
 INSULATION SHRINK ----- 2MM. NOM

SEE CHANGE DETAIL EC NO: THL2011-0054 DRAWN: CPANSAKHOM 2010/11/12 CHKD: PEECHAI 2011/01/25 APPR: SVIRAT JAPOL 2011/03/31	DESCRIPTION REV	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED	
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18	MOLEX MOLEX INCORPORATED	
			3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/18		
			2 PLACES	± ---	± ---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-8867-001	SHEET NO. 2 OF 3	
			1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
			ANGULAR ± --- °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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CHART A				SHIPPED ON 100 FT. REELS	
DIMENSIONS MM. (INCHES)				ENGINEERING NO.	ORDER NO.
ENG. NO.	NO. OF COND.	DIMENSION S			
			DIM. W (REF)		
8867-02	2	2.54±0.127	(.100±.005)	5.08 (.200)	8867-02-100B 82-22-6002
8867-03	3	5.08±0.20	(.200±.008)	7.62 (.300)	▲ -03- ▲ ▲ 03
8867-04	4	7.62±0.30	(.300±.012)	10.16 (.400)	▲ -04- ▲ ▲ 04
8867-05	5	10.16±0.33	(.400±.013)	12.70 (.500)	▲ -05- ▲ ▲ 05
8867-06	6	12.70±0.33	(.500±.013)	15.24 (.600)	▲ -06- ▲ ▲ 06
8867-07	7	15.24±0.33	(.600±.013)	17.78 (.700)	▲ -07- ▲ ▲ 07
8867-08	8	17.78±0.33	(.700±.013)	20.32 (.800)	▲ -08- ▲ ▲ 08
8867-09	9	20.32±0.33	(.800±.013)	22.86 (.900)	▲ -09- ▲ ▲ 09
8867-10	10	22.86±0.33	(.900±.013)	25.40 (1.000)	▲ -10- ▲ ▲ 10
8867-11	11	25.40±0.33	(1.000±.013)	27.94 (1.100)	▲ -11- ▲ ▲ 11
8867-12	12	27.94±0.33	(1.100±.013)	30.48 (1.200)	▲ -12- ▲ ▲ 12
8867-13	13	30.48±0.33	(1.200±.013)	33.02 (1.300)	▲ -13- ▲ ▲ 13
8867-14	14	33.02±0.33	(1.300±.013)	35.56 (1.400)	▲ -14- ▲ ▲ 14
8867-15	15	35.56±0.33	(1.400±.013)	38.10 (1.500)	▲ -15- ▲ ▲ 15
8867-16	16	38.10±0.33	(1.500±.013)	40.64 (1.600)	▲ -16- ▲ ▲ 16
8867-17	17	40.64±0.33	(1.600±.013)	43.18 (1.700)	▲ -17- ▲ ▲ 17
8867-18	18	43.18±0.33	(1.700±.013)	45.72 (1.800)	▲ -18- ▲ ▲ 18
8867-19	19	45.72±0.33	(1.800±.013)	48.26 (1.900)	▲ -19- ▲ ▲ 19
8867-20	20	48.26±0.33	(1.900±.013)	50.80 (2.000)	▼ -20- ▼ ▼ 20

ENGINEERING NO.

8867-XX-XXXX
A B C D

- A : CABLE 2.54mm. (.100") CENTERS 22 AWG STRANDED TOPCOATED
- B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)
- C : CABLE LENGTH 100FT. (30.48M.)
- D : A = INCHES
B = FEET

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