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Part Number: [0082226014](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 22 AWG (7 x 30) Stranded, Topcoat, 14 Circuits, Reel 30.48m (100.0') Length

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

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	8867
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	14
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	22
Wire/Cable Type	(7x30) Stranded, Topcoat

Electrical

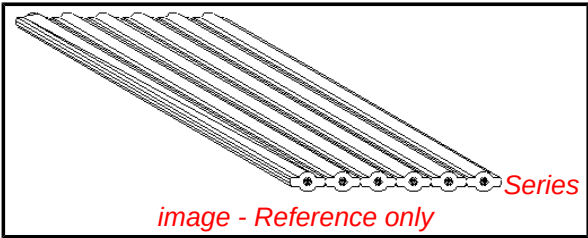
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	8867-14-100B
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Reference - Drawing Numbers

Sales Drawing	SD-8867-001
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



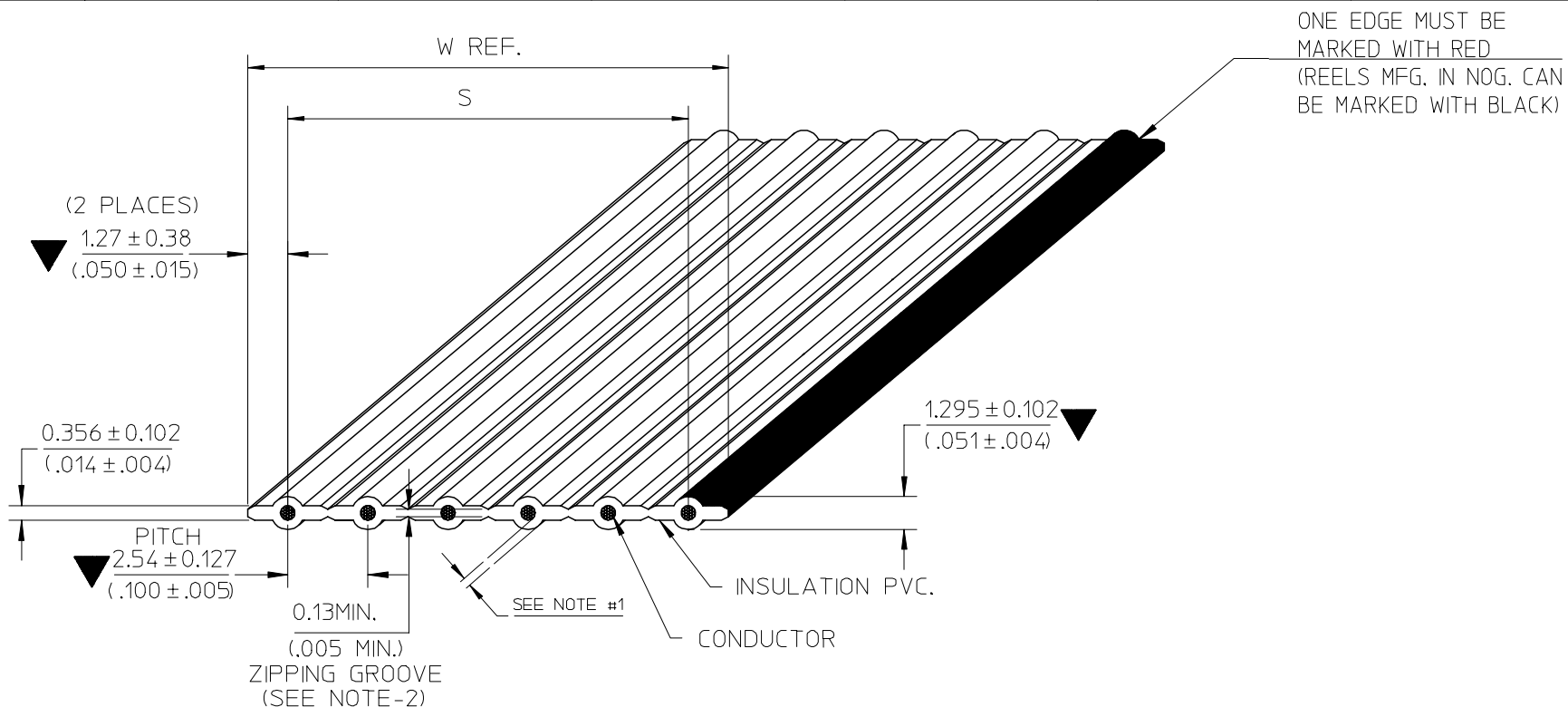
Need more information on product environmental compliance?

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
[8867Series](#)

Use With
[70400](#) C-Grid SL™ IDT Connector Assembly. [70475](#) SL™ IDT Connector Assembly. [7720](#) KK® IDT Double Cantilever Contact



- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPING 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

B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₃ : ADD SOLDERING CONDITION	07/09/27
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN: CPANSAKHOM 2007/11/28
CHKD: DNARINTARA 2007/11/29
APPR: SVIRATJAPOL 2007/12/04

QUALITY SYMBOLS	DESCRIPTION
$\nabla=3$	
$\nabla=0$	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES	$\pm$ ----
3 PLACES	$\pm$ ----
2 PLACES	$\pm$ ----
1 PLACE	$\pm$ ----
ANGULAR $\pm$ ----	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/07/18
CHECKED BY	DATE
PMEECHAI	2006/07/18
APPROVED BY	DATE
SVIRATJAPOL	2006/07/18
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-8867-001		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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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

$\triangle B_2$ NON-OPERATING TEMPERATURE _ _ _ _ _ -20°C TO 105°C
 FAULTS AND/OR SPLICES _ _ _ _ _ 1/REEL MAX. 100 $^{+3}_{-0}$ FT. (30.48 $^{+0.914}_{-0}$ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

$\triangle B_1$ SOLDERING CONDITION

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

D

D

C

C

B

B

A

A

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	DESCRIPTION REV	QUALITY SYMBOLS ▽ = ▽C =	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							
			3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL		DATE 2006/07/18		MOLEX MOLEX INCORPORATED				
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± ---°			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-8867-001		SHEET NO. 2 OF 3				
						SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

6

5

4

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7 6 5 4 3 2 1

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A

CHART A				SHIPPED ON	
DIMENSIONS MM. (INCHES)				100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
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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			2 PLACES	± ---	± ---	SVIRATJAPOL	2006/07/18					
			1 PLACE	± ---	± ---							
		ANGULAR ± ---°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-8867-001		3 OF 3			
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