

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0082226008
Status: Active
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 22 AWG (7 x 30) Stranded, Topcoat, 8 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)	8
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

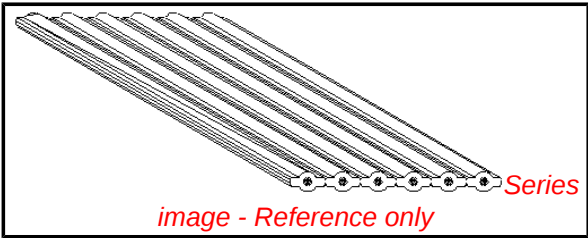
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	8867-08-100B
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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



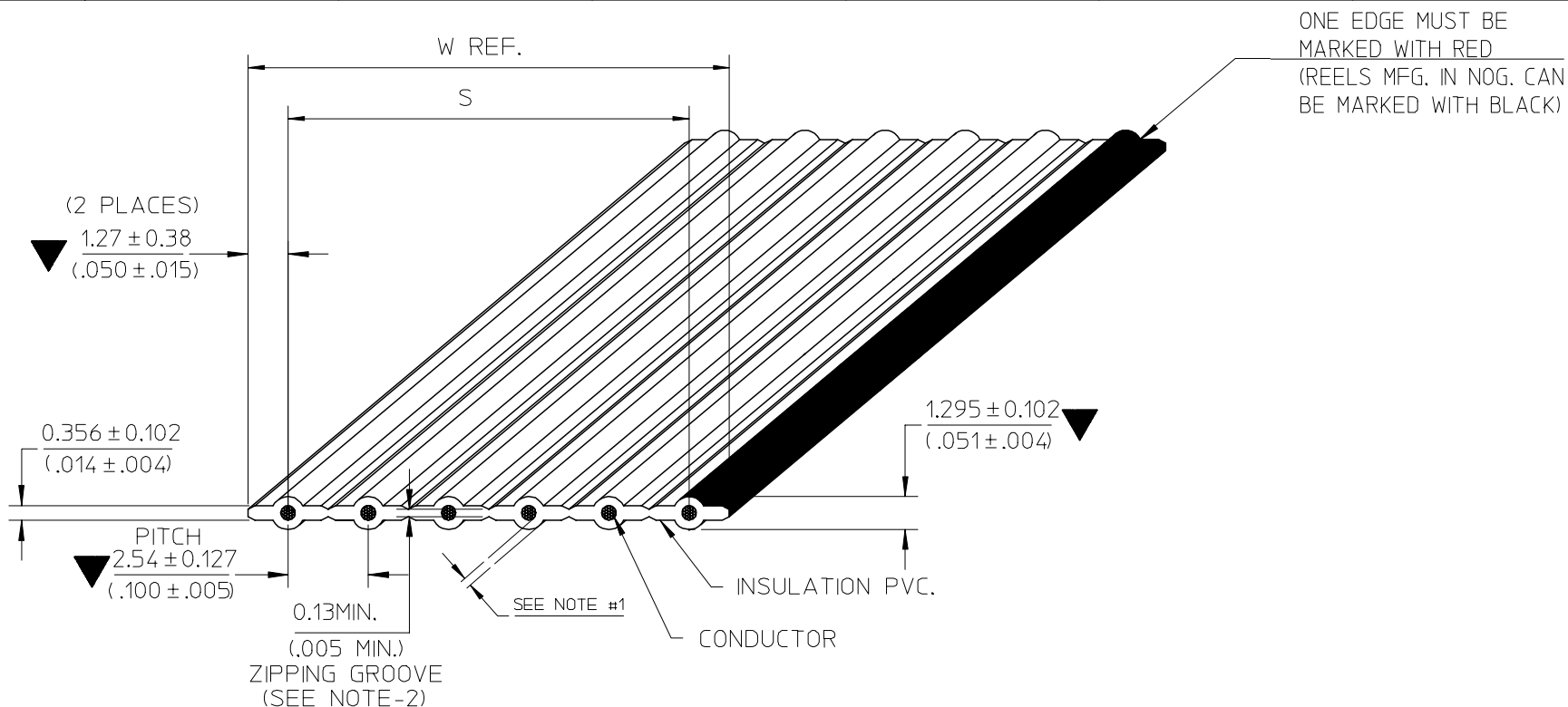
Need more information on product environmental compliance?

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") 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

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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN		NTS	INCH	
DRAWN BY	DATE	TITLE		
CPANSAKHOM	2006/07/18			
CHECKED BY	DATE	FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 22AWG STRANDED TOPCOATED		
PMEECHAI	2006/07/18			
APPROVED BY	DATE	MOLEX INCORPORATED		
SVIRATJAPOL	2006/07/18			
MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
SEE CHART		SD-8867-001	1 OF 3	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

7 6 5 4 3 2 1

E

E

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	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					
			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 ± ---°									

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SIZE
 $\triangle A$

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6

5

4

3

2

1

7 6 5 4 3 2 1

E

D

C

B

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E

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C

B

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

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			
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			2 PLACES	± ---	± ---								
			1 PLACE	± ---	± ---	SHEET NO. 3 OF 3							
			ANGULAR ± ---°										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								