This document was generated on 03/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0082266817

Status: Active

Description: 1.27mm (.050") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded Tinned, 17 Circuits, Reel 30.48m (100.0') Length

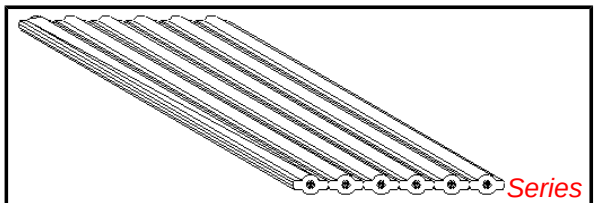


image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	8863
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	17
Circuits (maximum)	17
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	26
Wire/Cable Type	(7x34) Stranded, Tinned

Electrical

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

Material Info

Old Part Number	8863-17-100B

Reference - Drawing Numbers

Sales Drawing	SD-8863-001

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free Status	
Not Reviewed	

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

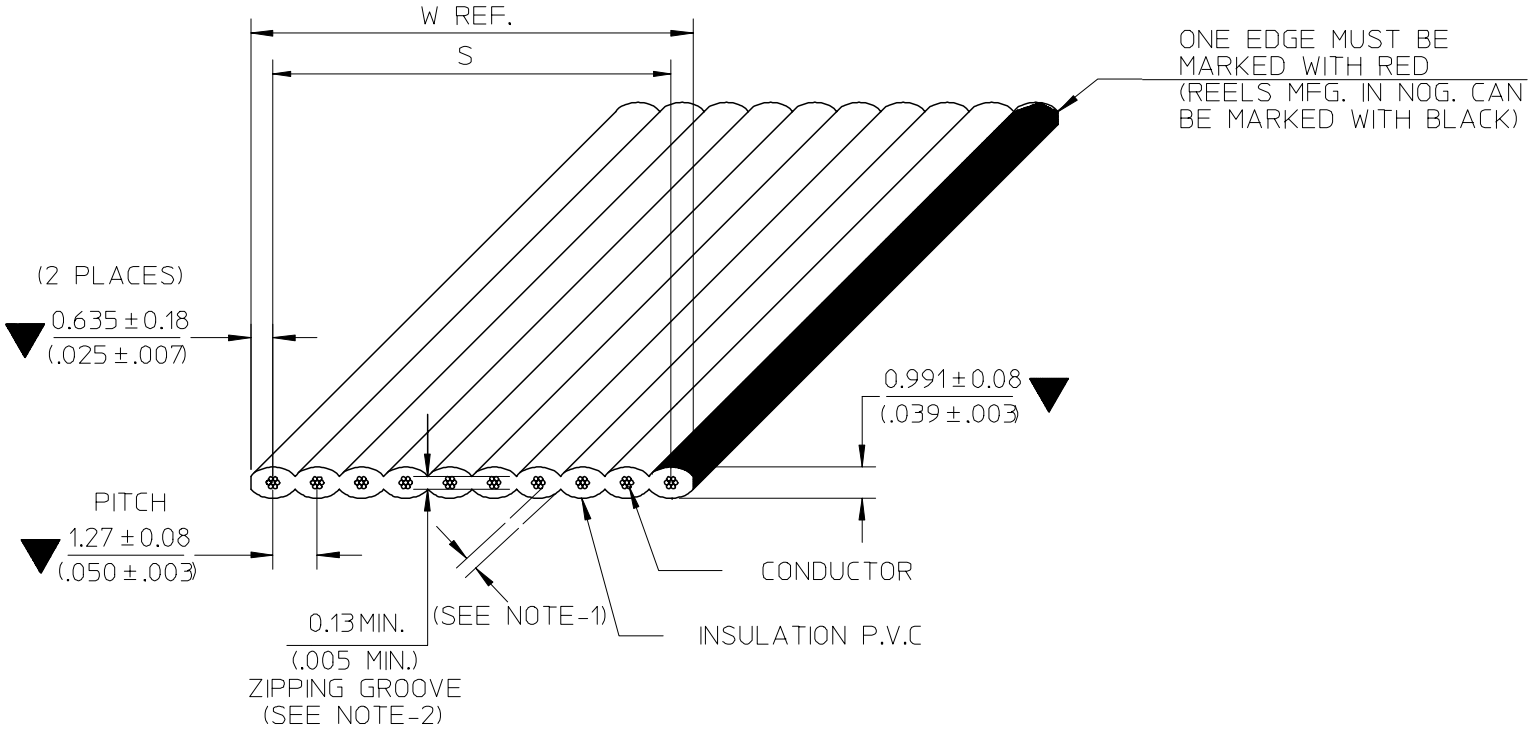
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
8863Series

Use With
70121 MX-50™ Slimline Ribbon Cable.
90584 Picoflex® PF-50 IDT Receptacle

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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

REV. HISTORY	EC NO.	DETAIL	DATE
B	E-07-0748	B_1 : ADD NON-OPERATING TEMP.	07/11/23
A	N/A	NEW RELEASE	06/07/18

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CH'KD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=3
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	CPANSAKHOM	2006/07/18
CHECKED BY	PMEECHAI	2006/07/18
APPROVED BY	SVIRATJAPOL	2006/07/18

TITLE: FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-8863-001
SHEET NO.: 1 OF 3
SIZE: A4

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

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING	1.27 (.050") ℄ TO ℄
WIRE GAUGE	26 AWG(7/34) STRANDED TINNED
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.)	43 m OHMS/FT. MAX.
CHARACTERISTIC IMPEDANCE	115 OHMS NOM. (GS) 93 OHMS NOM. (GSG)
CAPACITANCE	8.9 pF/FT. NOM. (GS) 18.0 pF/FT. NOM. (GSG)
PROPAGATION DELAY	1.4 ns/FT. NOM.
INSULATION RESISTANCE	10M OHMS (10FT. SAMPLE)
DIELECTRIC WITHSTAND VOLTAGE	2000 VRMS/MINUTE

GENERAL

⚠B1 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

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
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DESCRIPTION
B
REV

QUALITY SYMBOLS
▼ =
Ⓒ =

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	CPANSAKHOM	DATE 2006/07/18
CHECKED BY	PMEECHAI	DATE 2006/07/18
APPROVED BY	SVIRATJAPOL	DATE 2006/07/18

TITLE: FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-8863-001
SHEET NO.: 2 OF 3
SIZE: A4

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ENGINEERING NO.

8863-XX-XXXX
A B C D

A : CABLE 1.27mm. (.050") CENTERS 26AWG STRANDED TINNED
B : CONDUCTOR SIZE (AVAILABILITY 3 THROUGH 50)
C : CABLE LENGTH 100FT. (30.48M.)
D : A = INCHES
B = FEET

DIMENSIONS MM. (INCHES)				SHIPPED ON 100FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
8863- 3	3	2.54±0.18 (.100±.007)	3.81 (.150)	8863-03-100B	82-26-6803
8863- 4	4	3.81±0.18 (.150±.007)	5.08 (.200)	-04-	04
8863- 5	5	5.08±0.18 (.200±.007)	6.35 (.250)	-05-	05
8863- 6	6	6.35±0.18 (.250±.007)	7.62 (.300)	-06-	06
8863- 7	7	7.62±0.18 (.300±.007)	8.89 (.350)	-07-	07
8863- 8	8	8.89±0.18 (.350±.007)	10.16 (.400)	-08-	08
8863- 9	9	10.16±0.18 (.400±.007)	11.43 (.450)	-09-	09
8863-10	10	11.43±0.18 (.450±.007)	12.70 (.500)	-10-	10
8863-11	11	12.70±0.18 (.500±.007)	13.97 (.550)	-11-	11
8863-12	12	13.97±0.18 (.550±.007)	15.24 (.600)	-12-	12
8863-13	13	15.24±0.18 (.600±.007)	16.51 (.650)	-13-	13
8863-14	14	16.51±0.18 (.650±.007)	17.78 (.700)	-14-	14
8863-15	15	17.78±0.18 (.700±.007)	19.05 (.750)	-15-	15
8863-16	16	19.05±0.23 (.750±.009)	20.32 (.800)	-16-	16
8863-17	17	20.32±0.23 (.800±.009)	21.59 (.850)	-17-	17
8863-18	18	21.59±0.23 (.850±.009)	22.86 (.900)	-18-	18
8863-19	19	22.86±0.23 (.900±.009)	24.13 (.950)	-19-	19
8863-20	20	24.13±0.23 (.950±.009)	25.40 (1.000)	-20-	20
8863-21	21	25.40±0.23 (1.000±.009)	26.67 (1.050)	-21-	21
8863-22	22	26.67±0.23 (1.050±.009)	27.94 (1.100)	-22-	22
8863-23	23	27.94±0.23 (1.100±.009)	29.21 (1.150)	-23-	23
8863-24	24	29.21±0.23 (1.150±.009)	30.48 (1.200)	-24-	24
8863-25	25	30.48±0.23 (1.200±.009)	31.75 (1.250)	-25-	25
8863-26	26	31.75±0.23 (1.250±.009)	33.02 (1.300)	-26-	26
8863-27	27	33.02±0.23 (1.300±.009)	34.29 (1.350)	-27-	27
8863-28	28	34.29±0.23 (1.350±.009)	35.56 (1.400)	-28-	28
8863-29	29	35.56±0.23 (1.400±.009)	36.83 (1.450)	-29-	29
8863-30	30	36.83±0.23 (1.450±.009)	38.10 (1.500)	-30-	30
8863-31	31	38.10±0.23 (1.500±.009)	39.37 (1.550)	-31-	31
8863-32	32	39.37±0.23 (1.550±.009)	40.64 (1.600)	-32-	32
8863-33	33	40.64±0.23 (1.600±.009)	41.91 (1.650)	-33-	33
8863-34	34	41.91±0.23 (1.650±.009)	43.18 (1.700)	-34-	34
8863-35	35	43.18±0.23 (1.700±.009)	44.45 (1.750)	-35	35
8863-36	36	44.45±0.23 (1.750±.009)	45.72 (1.800)	-36-	36
8863-37	37	45.72±0.28 (1.800±.011)	46.99 (1.850)	-37-	37
8863-38	38	46.99±0.28 (1.850±.011)	48.26 (1.900)	-38-	38
8863-39	39	48.26±0.28 (1.900±.011)	49.53 (1.950)	-39-	39
8863-40	40	49.53±0.28 (1.950±.011)	50.80 (2.000)	-40-	40
8863-41	41	50.80±0.28 (2.000±.011)	52.07 (2.050)	-41-	41
8863-42	42	52.07±0.28 (2.050±.011)	53.34 (2.100)	-42-	42
8863-43	43	53.34±0.28 (2.100±.011)	54.61 (2.150)	-43-	43
8863-44	44	54.61±0.28 (2.150±.011)	55.88 (2.200)	-44-	44
8863-45	45	55.88±0.28 (2.200±.011)	57.15 (2.250)	-45-	45
8863-46	46	57.15±0.28 (2.250±.011)	58.42 (2.300)	-46-	46
8863-47	47	58.42±0.28 (2.300±.011)	59.69 (2.350)	-47-	47
8863-48	48	59.69±0.28 (2.350±.011)	60.96 (2.400)	-48-	48
8863-49	49	60.96±0.28 (2.400±.011)	62.23 (2.450)	-49-	49
8863-50	50	62.23±0.28 (2.450±.011)	63.50 (2.500)	8863-50-100B	82-26-6850

SCALE NTS | DESIGN UNITS INCH | THIRD ANGLE PROJECTION

TITLE: FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED

molex MOLEX INCORPORATED

DOCUMENT NO. SD-8863-001 | SHEET NO. 3 OF 3

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

QUALITY SYMBOLS

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

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