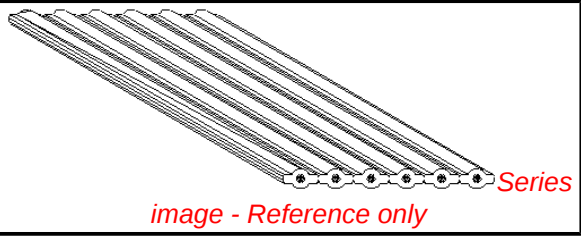


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082266804](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded Tinned, 4 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	8863
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	4
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

Solder Process Data

Max. Cycles at Max. Process Temperature	0
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Material Info

Old Part Number	8863-04-100B
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Reference - Drawing Numbers

Sales Drawing	SD-8863-001
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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.

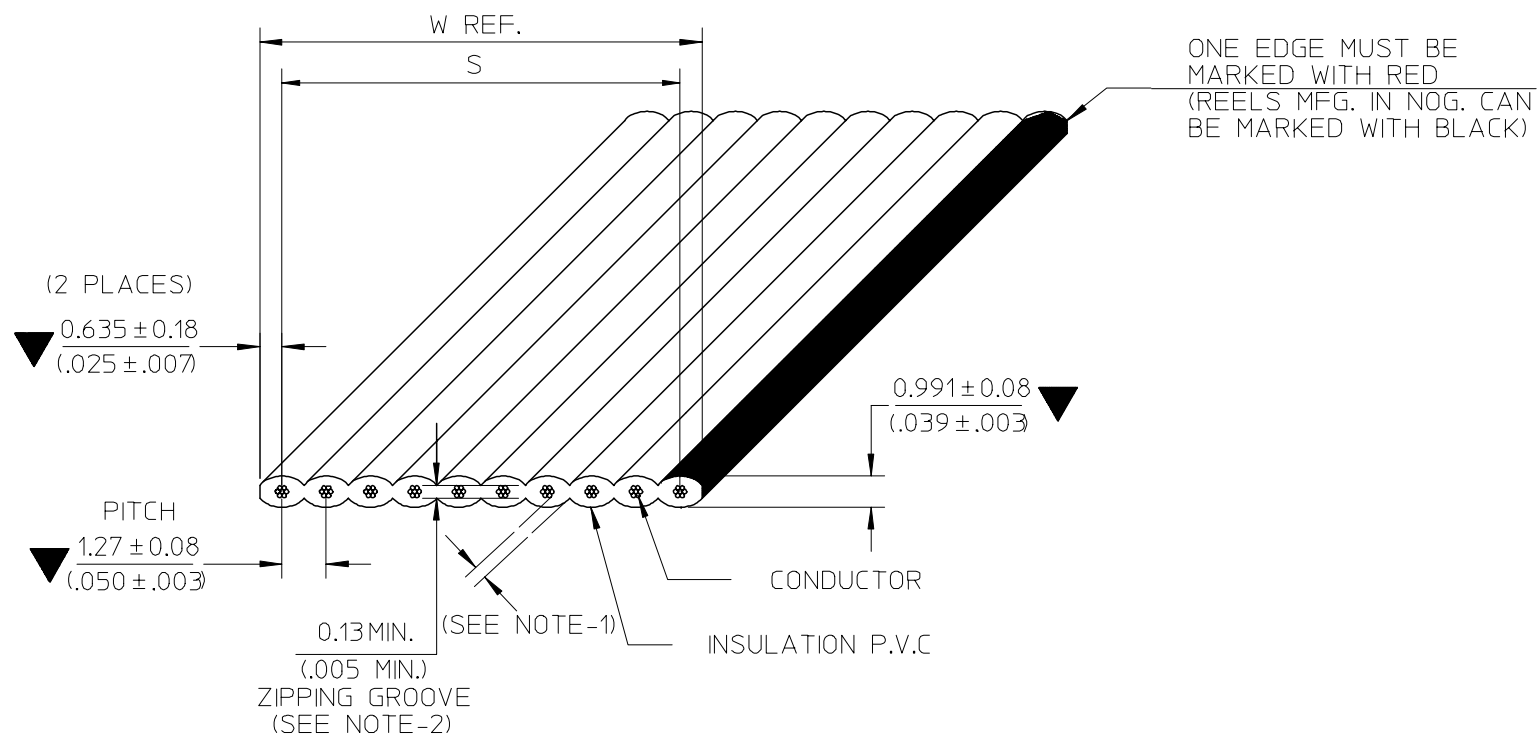
Search Parts in this Series

[8863Series](#)

Use With

[70121](#) MX-50™ Slimline Ribbon Cable.
[90584](#) Picoflex® PF-50 IDT Receptacle

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- 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 ₁ : ADD NON-OPERATING TEMP.	07/11/23
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	$\pm \text{---}$	$\pm \text{---}$
3 PLACES	$\pm \text{---}$	$\pm \text{---}$
2 PLACES	$\pm \text{---}$	$\pm \text{---}$
1 PLACE	$\pm \text{---}$	$\pm \text{---}$
ANGULAR $\pm \text{---}^\circ$		
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	TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED			
CHECKED BY PMEECHAI	DATE 2006/07/18				
APPROVED BY SVIRATJAPOL	DATE 2006/07/18	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				

7 6 5 4 3 2 1

E

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _____ 1.27 (.050") $\square$ TO $\square$
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

$\triangle$ 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

D

C

B

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 ▽ = ⌂ =	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 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED		
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18			
			3 PLACES	± ---	± ---	APPROVED BY	DATE			
			2 PLACES	± ---	± ---	SVIRATJAPOL	2006/07/18			
			1 PLACE	± ---	± ---	molex MOLEX INCORPORATED				
			ANGULAR ± ---°			MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-8863-001		

SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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A

ORDER NO

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	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		 =  =		mm	INCH	DRAWN BY	DATE	TITLE				
			4 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18	FCB ROUND CONDUCTOR 1.27MM(.050)CENTER PVC. 26AWG STRANDED TINNED				
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± ---	± ---	PMEECHAI	2006/07/18	MOLEX INCORPORATED				
1 PLACE	± ---	± ---	APPROVED BY	DATE								
ANGULAR ± ---°			SVIRATJAPOL 2006/07/18		molex							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-8863-001		SHEET NO. 3 OF 3					
			SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							