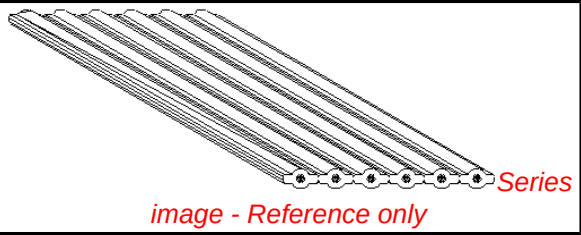


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082286021](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded, Topcoat, 2 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	7767
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	2
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	28
Wire/Cable Type	(7x36) Stranded, Topcoat

Electrical

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

Material Info

Old Part Number	7767-02-100B
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Reference - Drawing Numbers

Sales Drawing	SD-7767-001
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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](#)

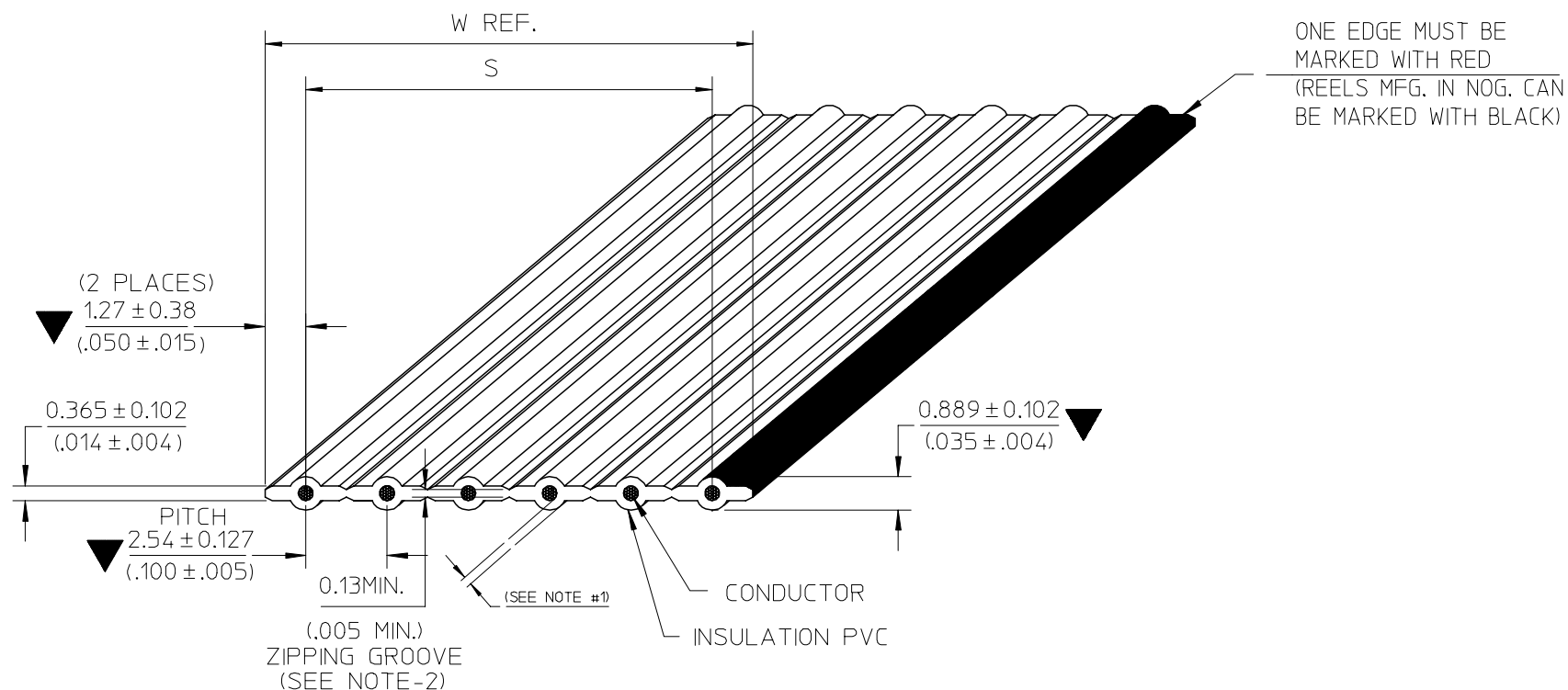
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[7767Series](#)

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
▽=3	
▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± ---
ANGULAR ± ---°	
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. 28AWG STRANDED TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-7767-001		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	7	6	5	4	3	2	1																																																																		
E	<u>SPECIFICATIONS</u> <u>PHYSICAL</u> CONDUCTOR SPACING _____ 2.54 (.100") $\varnothing$ TO $\varnothing$ WIRE GAUGE _____ 28 AWG(7/36) STRANDED TOPCOATED INSULATION _____ P.V.C GRAY (LEAD FREE) <u>AGENCY</u> U.L. STYLE NO. _____ 2651 TEMPERATURE RATING _____ -20°C TO 105°C VOLTAGE RATING _____ 300V.MAX. FLAMMABILITY RATING _____ VW-1 <u>ELECTRICAL</u> CONDUCTOR RESISTANCE (D.C.) _____ 68 m OHMS/FT. MAX. CHARACTERISTIC IMPEDANCE _____ 150 OHMS NOM. (GS) _____ 128 OHMS NOM. (GSG) CAPACITANCE _____ 5.0 pF/FT. NOM. (GS) _____ 9.12 pF/FT. NOM. (GSG) PROPAGATION DELAY _____ 1.4 ns/FT. NOM. INSULATION RESISTANCE _____ 10 M OHMS (10FT. SAMPLE) DIELECTRIC WITHSTAND VOLTAGE _____ 2000 VRMS/MINUTE <u>GENERAL</u> $\triangle_{B_2}$ NON-OPERATING TEMPERATURE _____ -20°C TO 105°C FAULTS AND/OR SPLICES _____ 1/REEL MAX. 100$\pm^3_0$ FT. (30.48$\pm^{0.914}_0$ M.)/REEL _____ 20FT. (6.096M.) MIN. LENGTH $\triangle_{B_1}$ <u>SOLDERING CONDITION</u> SOLDER TEMPERATURE _____ -260°C. MAX. SOLDERING TIME _____ 3 SECOND, MAX. INSULATION SHRINK _____ 2MM. NOM							E																																																																	
D								D																																																																	
C								C																																																																	
B								B																																																																	
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	tb_frame_A4_P_ME_T Rev. E 2006/04/15	6	5	4	3	2	1																																																																		

7 6 5 4 3 2 1

E

D

C

B

A

E

D

C

B

A

CHART A DIMENSIONS MM. (INCHES)					SHIPPED ON 100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S		DIM. W (REF)	ENGINEERING NO.	ORDER NO.
7767-02	2	2.54±0.127	(.100±.005)	5.08 (.200)	7767-02-100B	82-28-6021
7767-03	3	5.08±0.20	(.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03▲
7767-04	4	7.62±0.30	(.300±.012)	10.16 (.400)	-04-	04
7767-05	5	10.16±0.33	(.400±.013)	12.70 (.500)	-05-	05
7767-06	6	12.70±0.33	(.500±.013)	15.24 (.600)	-06-	06
7767-07	7	15.24±0.33	(.600±.013)	17.78 (.700)	-07-	07
7767-08	8	17.78±0.33	(.700±.013)	20.32 (.800)	-08-	08
7767-09	9	20.32±0.33	(.800±.013)	22.86 (.900)	-09-	09
7767-10	10	22.86±0.33	(.900±.013)	25.40 (1.000)	-10-	10
7767-11	11	25.40±0.33	(1.000±.013)	27.94 (1.100)	-11-	11
7767-12	12	27.94±0.33	(1.100±.013)	30.48 (1.200)	-12-	12
7767-13	13	30.48±0.33	(1.200±.013)	33.02 (1.300)	-13-	13
7767-14	14	33.02±0.33	(1.300±.013)	35.56 (1.400)	-14-	14
7767-15	15	35.56±0.33	(1.400±.013)	38.10 (1.500)	-15-	15
7767-16	16	38.10±0.33	(1.500±.013)	40.64 (1.600)	-16-	16
7767-17	17	40.64±0.33	(1.600±.013)	43.18 (1.700)	-17-	17
7767-18	18	43.18±0.33	(1.700±.013)	45.72 (1.800)	-18-	18
7767-19	19	45.72±0.33	(1.800±.013)	48.26 (1.900)	-19-	19
7767-20	20	48.26±0.33	(1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20▼

ENGINEERING NO.

7767-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 28 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 ▼ = ▽ =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
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			3 PLACES	± ---	± ---	CHECKED BY	DATE						
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				1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ± ---°			SVIRATJAPOL 2006/07/18							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
						SEE CHART		SD-7767-001		3 OF 3			
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