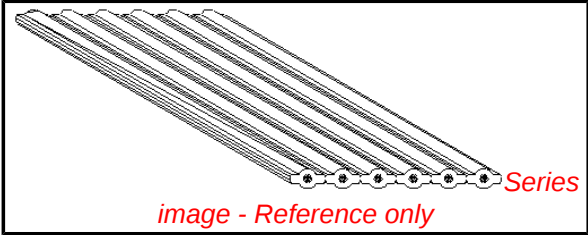


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082285816](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded, Tinned, 16 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	7307
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	16
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, Tinned

Electrical

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

Material Info

Old Part Number	7307-16-100B
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Reference - Drawing Numbers

Sales Drawing	SD-7307-001
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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](#)

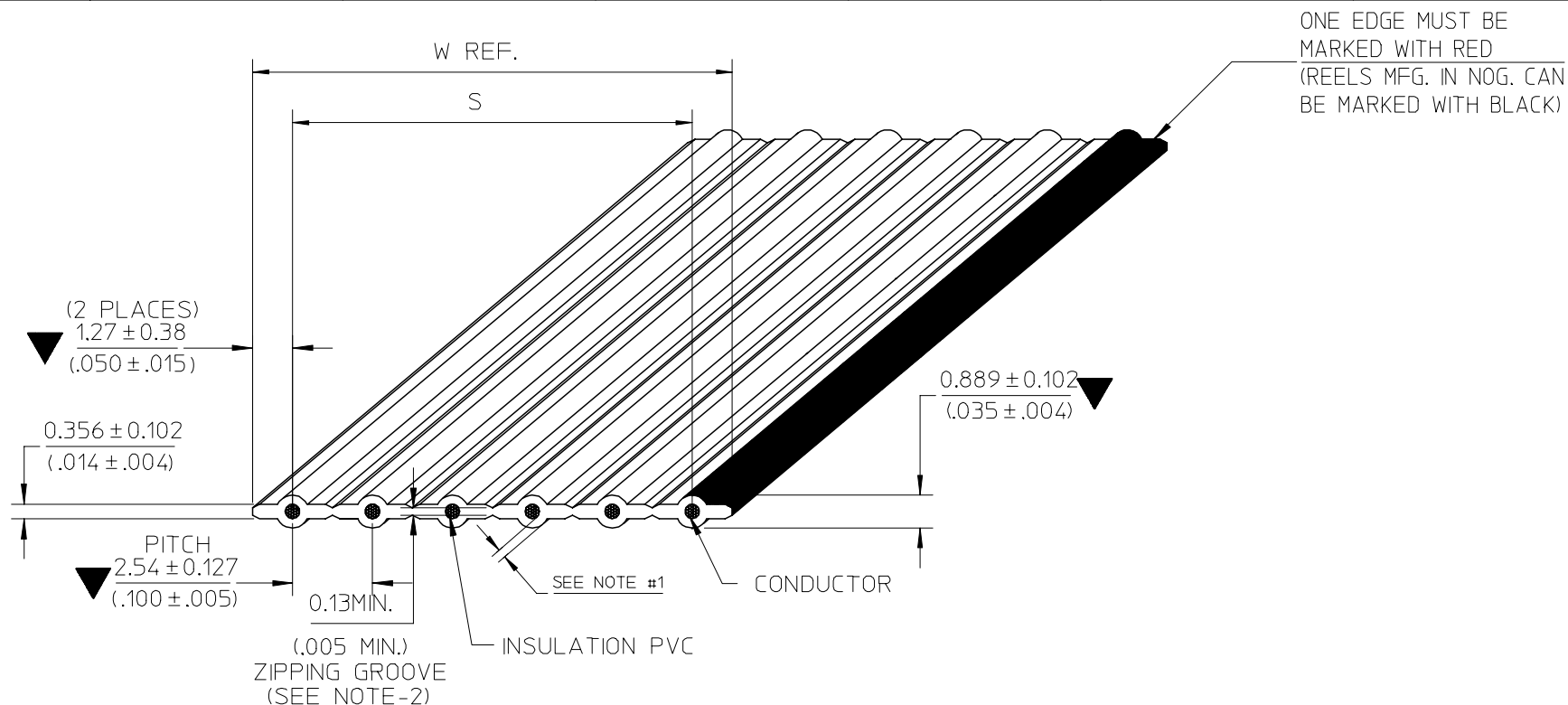
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[7307Series](#)

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 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
▽=3	
▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
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 TINNED		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-7307-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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E	<u>SPECIFICATIONS</u>							
D	<u>PHYSICAL</u>							
C	CONDUCTOR SPACING _____ 2.54 (.100") C TO C							
B	WIRE GAUGE _____ 28 AWG(7/36) STRANDED TINNED							
A	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 _____ .14 ns/FT. NOM.							
	INSULATION RESISTANCE _____ 10 M OHMS (10FT. SAMPLE)							
	DIELECTRIC WITHSTAND VOLTAGE _____ 2000 VRMS/MINUTE							
	<u>GENERAL</u>							
	(B _T) 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							
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CHART A DIMENSIONS MM. (INCHES)					SHIPPED ON 100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S		DIM. W (REF)	ENGINEERING NO.	ORDER NO.
7307-02	2	2.54±0.127	(.100±.005)	5.08 (.200)	7307-02-100B	82-28-5802
7307-03	3	5.08±0.20	(.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03
7307-04	4	7.62±0.30	(.300±.012)	10.16 (.400)	▲ -04- ▲	▲ 04
7307-05	5	10.16±0.33	(.400±.013)	12.70 (.500)	▲ -05- ▲	▲ 05
7307-06	6	12.70±0.33	(.500±.013)	15.24 (.600)	▲ -06- ▲	▲ 06
7307-07	7	15.24±0.33	(.600±.013)	17.78 (.700)	▲ -07- ▲	▲ 07
7307-08	8	17.78±0.33	(.700±.013)	20.32 (.800)	▲ -08- ▲	▲ 08
7307-09	9	20.32±0.33	(.800±.013)	22.86 (.900)	▲ -09- ▲	▲ 09
7307-10	10	22.86±0.33	(.900±.013)	25.40 (1.000)	▲ -10- ▲	▲ 10
7307-11	11	25.40±0.33	(1.000±.013)	27.94 (1.100)	▲ -11- ▲	▲ 11
7307-12	12	27.94±0.33	(1.100±.013)	30.48 (1.200)	▲ -12- ▲	▲ 12
7307-13	13	30.48±0.33	(1.200±.013)	33.02 (1.300)	▲ -13- ▲	▲ 13
7307-14	14	33.02±0.33	(1.300±.013)	35.56 (1.400)	▲ -14- ▲	▲ 14
7307-15	15	35.56±0.33	(1.400±.013)	38.10 (1.500)	▲ -15- ▲	▲ 15
7307-16	16	38.10±0.33	(1.500±.013)	40.64 (1.600)	▲ -16- ▲	▲ 16
7307-17	17	40.64±0.33	(1.600±.013)	43.18 (1.700)	▲ -17- ▲	▲ 17
7307-18	18	43.18±0.33	(1.700±.013)	45.72 (1.800)	▲ -18- ▲	▲ 18
7307-19	19	45.72±0.33	(1.800±.013)	48.26 (1.900)	▲ -19- ▲	▲ 19
7307-20	20	48.26±0.33	(1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20

ENGINEERING NO.

7307-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 28 AWG STRANDED TINNED

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			
				mm	INCH	DRAWN BY	DATE	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 28AWG STRANDED TINNED MOLEX INCORPORATED					
			4 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18						
			3 PLACES	± ---	± ---	CHECKED BY	DATE						
			2 PLACES	± ---	± ---	PMEECHAI	2006/07/18						
			1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-7307-001					
			ANGULAR ± ---°			SVIRATJAPOL	2006/07/18						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART		SHEET NO. 3 OF 3					
						SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						