

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082285815](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded, Tinned, 15 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) 15
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

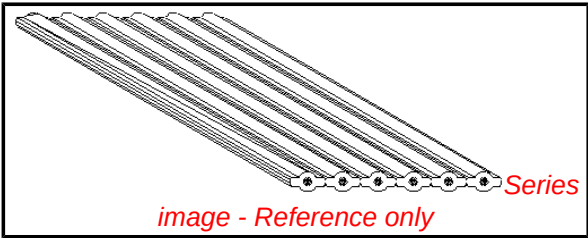
Current - Maximum per Contact N/A
Voltage - Maximum 300V

Material Info

Old Part Number 7307-15-100B

Reference - Drawing Numbers

Sales Drawing SD-7307-001



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



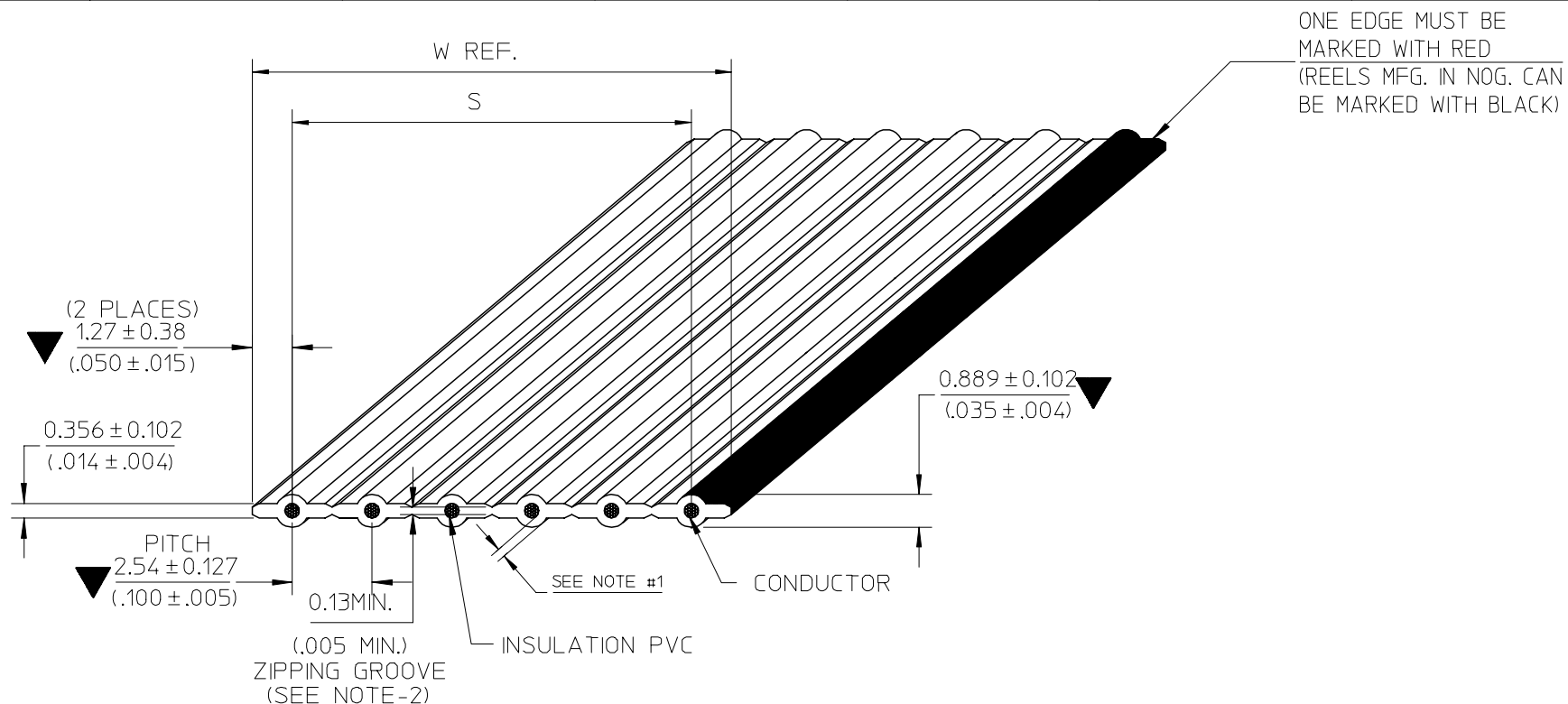
Need more information on product environmental compliance?

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)	
	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 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	SPECIFICATIONS PHYSICAL CONDUCTOR SPACING_____2.54 (.100") C TO C WIRE GAUGE_____28 AWG(7/36) 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.)_____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 GENERAL NON-OPERATING TEMPERATURE_____ -20°C TO 105°C FAULTS AND/OR SPLICES _____1/REEL MAX. 100⁺³₀ FT. (30.48^{+0.914}₀ M.)/REEL 20FT. (6.096M.) MIN. LENGTH						E																																																					
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	WIRE GAUGE ----- 28 AWG(7/36) STRANDED TINNED							
	INSULATION ----- P.V.C GRAY (LEAD FREE)							
D	AGENCY							D
	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.) ----- 68 m OHMS/FT. MAX.							
	CHARACTERISTIC IMPEDANCE ----- 150 OHMS NOM. (GS) 128 OHMS NOM. (GSG)							
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	PROPAGATION DELAY ----- 1.4 ns/FT. NOM.							
	INSULATION RESISTANCE ----- 10 M OHMS (10FT. SAMPLE)							
	DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE							
	GENERAL							
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C								C
B								B
A								A

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING 2.54 (.100") C_L TO C_L

WIRE GAUGE 28 AWG(7/36) 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.) 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

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 CHKD: DNARINTARA 2007/11/29 APPR: SVIRATJAPOL 2007/12/04	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
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Rev. E 2006/04/15

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7	6	5	4	3	2	1
SPECIFICATIONS						
PHYSICAL						
CONDUCTOR SPACING.....2.54 (.100") C TO C						
WIRE GAUGE.....28 AWG(7/36) 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.).....68 m OHMS/FT. MAX.						
CHARACTERISTIC IMPEDANCE.....150 OHMS NOM. (GS) 128 OHMS NOM. (GSG)						
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				3 PLACES ± ---	± ---	APPROVED BY SVIRATJAPOL DATE 2006/07/18	MOLEX MOLEX INCORPORATED																																																														
				2 PLACES ± ---	± ---	MATERIAL NO.	DOCUMENT NO. SD-7307-001 SHEET NO. 2 OF 3																																																														
			1 PLACE ± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																
			ANGULAR ±---°																																																																		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																																																		
	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								E
D								D
C								C
B								B
A								A

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING 2.54 (.100") C_L TO C_L

WIRE GAUGE 28 AWG(7/36) 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.) 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

GENERAL

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 CHKD:DWARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	DESCRIPTION 	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 2.54MM(.100)CENTER PVC. 28AWG STRANDED TINNED MOLEX INCORPORATED			
		3 PLACES	+---	+---	CHECKED BY DATE				
		2 PLACES	+---	+---	PMEECHA I 2006/07/18				
		1 PLACE	+---	+---	APPROVED BY DATE				
ANGULAR ±---°		SVIRATJAPOL 2006/07/18	MATERIAL NO.	DOCUMENT NO.	SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-7307-001		2 OF 3			
SIZE 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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6

5

4

3

2

1

7 6 5 4 3 2 1

CHART A					SHIPPED ON	
DIMENSIONS MM. (INCHES)					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 ▽ = ▽ =	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. 28AWG STRANDED TINNED			
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18				
			3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL	DATE 2006/07/18	MOLEX INCORPORATED			
			2 PLACES	± ---	± ---	MATERIAL NO.	DOCUMENT NO.				
1 PLACE	± ---	± ---	ANGULAR ± ---°		SEE CHART		SD-7307-001		3 OF 3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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