

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082265710](#)
Status: **Active**
Description: 2.54mm (.100") Pitch Round Conductor Flat Cable - 26 AWG (1 x 26) Solid, Tinned, 10 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	7234
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	10
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	26
Wire/Cable Type	(1x26) Solid, Tinned

Electrical

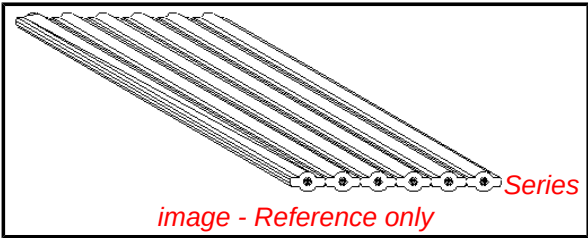
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	7234-10-100B
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Reference - Drawing Numbers

Sales Drawing	SD-7234-001
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

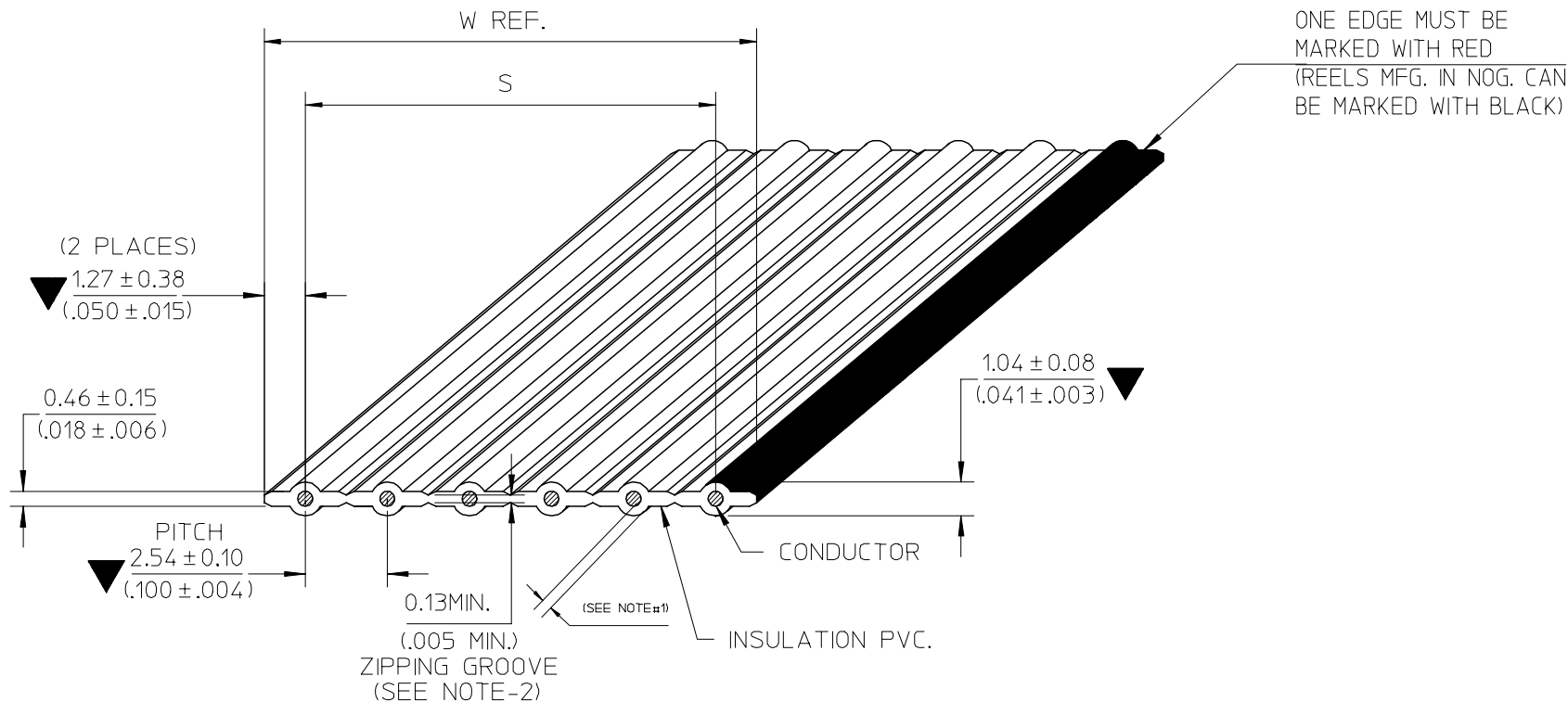
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[7234Series](#)

Use With
[70400](#) C-Grid SL™ IDT Connector Assembly.
[70475](#) SL™ IDT Connector Assembly.
[7720](#) KK® IDT Double Cantilever Contact

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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

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. 26AWG SOLID TINNED			
MOLEX INCORPORATED			
DOCUMENT NO.			SHEET NO.
SD-7234-001			1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _____ 2.54(.100") ϕ TO ϕ
 WIRE GAUGE _____ 26 AWG(1/26) SOLID 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.) _____ 45 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE _____ 150 OHMS NOM. (GS)
 _____ 128 OHMS NOM. (GSG)
 CAPACITANCE _____ 5.2 pF/FT. NOM. (GS)
 _____ 9.24 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

$\triangle B_2$ NON-OPERATING TEMPERATURE _____ -20°C TO 105°C
 FAULTS AND/OR SPLICES _____ 1/REEL MAX. 100 $\pm$ ³₀ FT. (30.48 $\pm$ ^{0.914}₀ M.)/REEL
 _____ 20FT. (6.096M.) MIN. LENGTH

$\triangle B_1$ SOLDERING CONDITION

SOLDER TEMPERATURE _____ 260°C. MAX.
 SOLDERING TIME _____ 3 SECOND, MAX.
 INSULATION SHRINK _____ 2MM. NOM

D

D

C

C

B

B

A

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 ▽ = ▽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. 26AWG SOLID TINNED			
			4 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18				
			3 PLACES	± ---	± ---	CHECKED BY	DATE				
			2 PLACES	± ---	± ---	PMEECHAI	2006/07/18				
			1 PLACE	± ---	± ---	APPROVED BY	DATE				
			ANGULAR ± ---°			SVIRATJAPOL 2006/07/18		 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.			SHEET NO.
						SEE CHART		SD-7234-001			2 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

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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.
7234-02	2	2.54±0.10 (.100±.004)	5.08 (.200)	7234-02-100B	82-26-5702
7234-03	3	5.08±0.20 (.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03
7234-04	4	7.62±0.30 (.300±.012)	10.16 (.400)	▲ -04- ▲	▲ 04
7234-05	5	10.16±0.33 (.400±.013)	12.70 (.500)	▲ -05- ▲	▲ 05
7234-06	6	12.70±0.33 (.500±.013)	15.24 (.600)	▲ -06- ▲	▲ 06
7234-07	7	15.24±0.33 (.600±.013)	17.78 (.700)	▲ -07- ▲	▲ 07
7234-08	8	17.78±0.33 (.700±.013)	20.32 (.800)	▲ -08- ▲	▲ 08
7234-09	9	20.32±0.33 (.800±.013)	22.86 (.900)	▲ -09- ▲	▲ 09
7234-10	10	22.86±0.33 (.900±.013)	25.40 (1.000)	▲ -10- ▲	▲ 10
7234-11	11	25.40±0.33 (1.000±.013)	27.94 (1.100)	▲ -11- ▲	▲ 11
7234-12	12	27.94±0.33 (1.100±.013)	30.48 (1.200)	▲ -12- ▲	▲ 12
7234-13	13	30.48±0.33 (1.200±.013)	33.02 (1.300)	▲ -13- ▲	▲ 13
7234-14	14	33.02±0.33 (1.300±.013)	35.56 (1.400)	▲ -14- ▲	▲ 14
7234-15	15	35.56±0.33 (1.400±.013)	38.10 (1.500)	▲ -15- ▲	▲ 15
7234-16	16	38.10±0.33 (1.500±.013)	40.64 (1.600)	▲ -16- ▲	▲ 16
7234-17	17	40.64±0.33 (1.600±.013)	43.18 (1.700)	▲ -17- ▲	▲ 17
7234-18	18	43.18±0.33 (1.700±.013)	45.72 (1.800)	▲ -18- ▲	▲ 18
7234-19	19	45.72±0.33 (1.800±.013)	48.26 (1.900)	▲ -19- ▲	▲ 19
7234-20	20	48.26±0.33 (1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20

ENGINEERING NO.

7234-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 26 AWG SOLID TINNED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

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			3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL		DATE 2006/07/18		MOLEX INCORPORATED										
			2 PLACES	± ---	± ---															
			1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART					DOCUMENT NO. SD-7234-001					SHEET NO. 3 OF 3				
			ANGULAR ± ---°																	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																	
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