

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

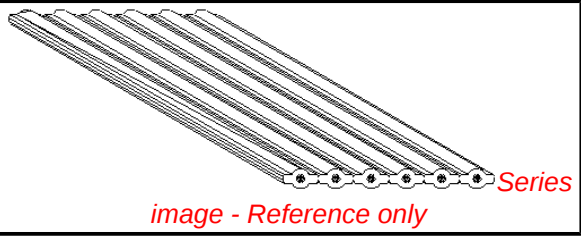
0082265512

Status:

Active

Description:

2.50mm (.098") Pitch Round Conductor Flat Cable - 26 AWG (7 x 34) Stranded, Topcoat, 12 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	40160
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon
Physical	
Cable Length	30.48m (100.0')
Circuits (Loaded)	12
Flammability	VW-1
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.098 In
Pitch - Term. Interface (mm)	2.50 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	26
Wire/Cable Type	(7x34) Stranded, Topcoat
Electrical	
Current - Maximum per Contact	N/A
Voltage - Maximum	300V
Material Info	
Old Part Number	40160-12-100B
Reference - Drawing Numbers	
Sales Drawing	SD-40160-001

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.

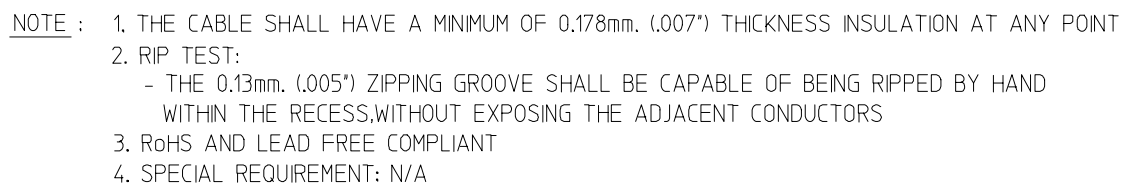
Search Parts in this Series

40160Series

Use With

42219 SPOX™ IDT Receptacle

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SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	DESCRIPTION	QUALITY SYMBOLS ▽=3 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/13	TITLE FCB ROUND CONDUCTOR 2.50MM(.098)CENTERS PVC. 26AWG STR TOPCOATED						
			4 PLACES	± ---	± ---	CHECKED BY PMEECHA	DATE 2006/07/13							
			3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL		DATE 2006/07/13		molex MOLEX INCORPORATED				
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---	ANGULAR ± ---°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-40160-001		SHEET NO. 1 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								

7 6 5 4 3 2 1

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.50 (.098") ϕ TO ϕ
 WIRE GAUGE _ _ _ _ _ 26 AWG(7/34) STRANDED TOPCOATED
 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 _ _ _ _ _ 145 OHMS NOM. (GS)
 123 OHMS NOM. (GSG)
 CAPACITANCE _ _ _ _ _ 5.6 pF/FT. NOM. (GS)
 10.3 pF/FT. NOM. (GSG)
 PROPAGATION DELAY _ _ _ _ _ 1.4 ns/FT. NOM.
 INSULATION RESISTANCE _ _ _ _ _ 10M OHMS (10FT. SAMPLE)
 DIELECTRIC WITHSTAND VOLTAGE _ _ _ _ _ 2000 VRMS/MINUTE

GENERAL

$\triangle B_2$ 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

$\triangle B_2$ SOLDERING CONDITION

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

D

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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 ▽ = ⌒ =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
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			ANGULAR ± ---°										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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CHART A				
DIMENSIONS MM. (INCHES)				
ENGINEERING NO.	ORDER NO.	NO. OF CONDUCTOR	DIMENSION S	DIM. W (REF.)
40160-02-100B	82-26-5502	2	2.50±0.10 (.098±.004)	5.00 (.197)
▲ -03- ▲	▲ 03	3	5.00±0.20 (.197±.008)	7.50 (.295)
-04-	04	4	7.50±0.30 (.295±.012)	10.00 (.394)
-05-	05	5	10.00±0.33 (.394±.013)	12.50 (.492)
-06-	06	6	12.50±0.33 (.492±.013)	15.00 (.591)
-07-	07	7	15.00±0.33 (.591±.013)	17.50 (.689)
-08-	08	8	17.50±0.33 (.689±.013)	20.00 (.787)
-09-	09	9	20.00±0.33 (.787±.013)	22.50 (.886)
-10-	10	10	22.50±0.33 (.886±.013)	25.00 (.984)
-11-	11	11	25.00±0.33 (.984±.013)	27.50 (1.083)
-12-	12	12	27.50±0.33 (1.083±.013)	30.00 (1.181)
-13-	13	13	30.00±0.33 (1.181±.013)	32.50 (1.280)
-14-	14	14	32.50±0.33 (1.280±.013)	35.00 (1.378)
-15-	15	15	35.00±0.33 (1.378±.013)	37.50 (1.476)
-16-	16	16	37.50±0.33 (1.476±.013)	40.00 (1.575)
-17-	17	17	40.00±0.33 (1.575±.013)	42.50 (1.673)
-18-	18	18	42.50±0.33 (1.673±.013)	45.00 (1.772)
-19-	19	19	45.00±0.33 (1.772±.013)	47.50 (1.870)
-20-	20	20	47.50±0.33 (1.870±.013)	50.00 (1.969)
-21-	21	21	50.00±0.33 (1.969±.013)	52.50 (2.067)
-22-	22	22	52.50±0.33 (2.067±.013)	55.00 (2.165)
▼ -23- ▼	▼ 23	23	55.00±0.33 (2.165±.013)	57.50 (2.264)
40160-24-100B	82-26-5524	24	57.50±0.33 (2.264±.013)	60.00 (2.362)

ENGINEERING NO.

40160-XX-XXXX

A B C D

A : CABLE 2.50mm. (.098") CENTERS 26AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 24)

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

D : A = INCHES

B = FEET

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