

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0082285540

Status:

Active

Description:

1.27mm (.050") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded Topcoat, 40 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

40158

Crimp Quality Equipment

Yes

Geographic Area

Asia

Product Name

Ribbon

Physical

Cable Length

30.48m (100.0')

Circuits (Loaded)

40

Insulation

PVC

Packaging Type

Reel

Pitch - Term. Interface (in)

0.050 In

Pitch - Term. Interface (mm)

1.27 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

40158-40-100B

Reference - Drawing Numbers

Sales Drawing

SD-40158-001

image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

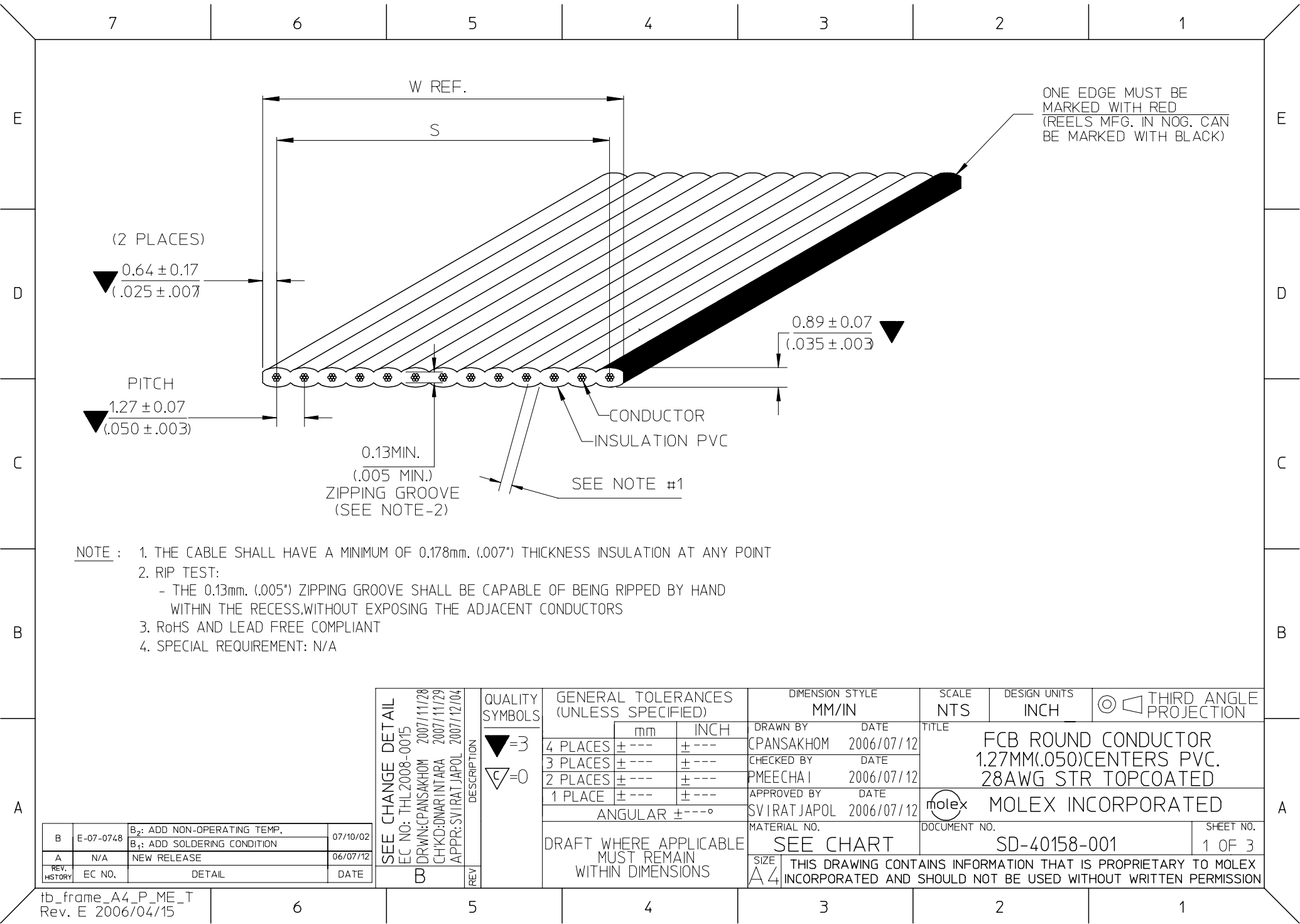
40158Series

Use With

70121 MX-50™ Slimline Ribbon Cable.

90584 Picoflex® PF-50 IDT Receptacle

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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 ₄ : ADD SOLDERING CONDITION	07/10/02
A	N/A	NEW RELEASE	06/07/12
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL	DESCRIPTION
EC NO: THL2008-0015	
DRWN:CPANSAKHOM 2007/11/28	
CHKD:DNARINTARA 2007/11/29	
APPR:SVIRATJAPOL 2007/12/04	
B	REV

QUALITY SYMBOLS
▼=3
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
	INCH
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/07/12
CHECKED BY	DATE
PMEECHAI	2006/07/12
APPROVED BY	DATE
SVIRATJAPOL	2006/07/12
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TOPCOATED			
MOLEX MOLEX INCORPORATED			
DOCUMENT NO. SD-40158-001			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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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _ _ _ _ _ .127 (.050") C TO C
 WIRE GAUGE _ _ _ _ _ 28 AWG(7/36) AWG, 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.) _ _ _ _ _ 68 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE _ _ _ _ _ 123 OHMS NOM. (GS)
 100 OHMS NOM. (GSG)
 CAPACITANCE _ _ _ _ _ 9.1 pF/FT. NOM. (GS)
 17.0 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 FT. (30.48 ± 0.914 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

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C

C

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B

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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 ▽ = ⌒ =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/12	TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TOPCOATED						
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/12							
			3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL		DATE 2006/07/12		molex MOLEX INCORPORATED				
			2 PLACES	± ---	± ---									
			1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART					DOCUMENT NO. SD-40158-001		SHEET NO. 2 OF 3	
			ANGULAR ± ---°											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

