

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

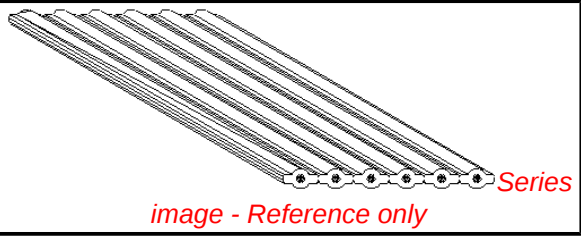
0082285548

Status:

Active

Description:

1.27mm (.050") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded Topcoat, 48 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)	48
Circuits (maximum)	48
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	40158-48-100B
Reference - Drawing Numbers	
Sales Drawing	SD-40158-001

EU RoHS

China RoHS

Compliance Status

Not Reviewed

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

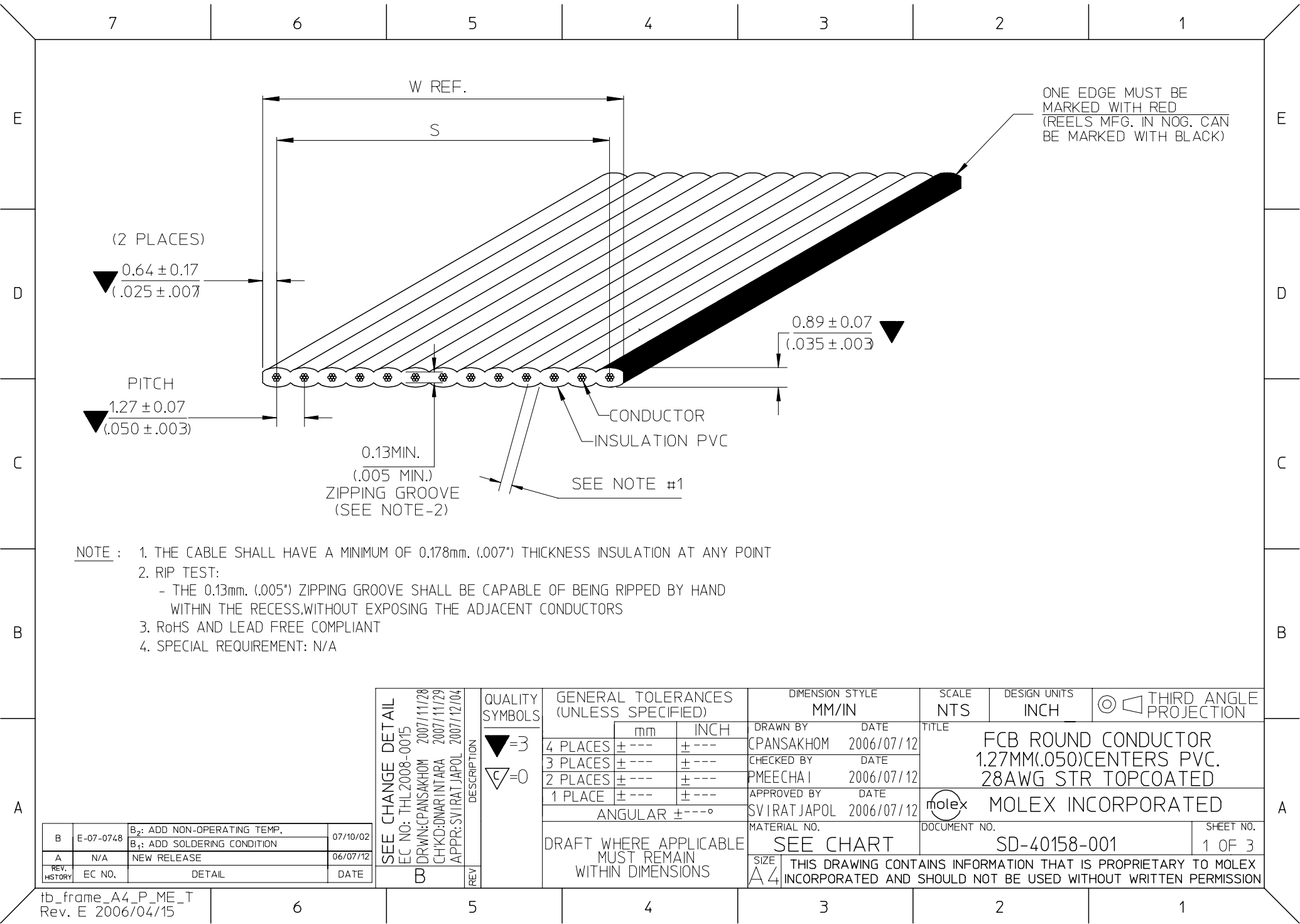
40158Series

Use With

70121 MX-50™ Slimline Ribbon Cable.

90584 Picoflex® PF-50 IDT Receptacle

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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
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CHKD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04

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 INCORPORATED			
DOCUMENT NO. SD-40158-001			SHEET NO. 1 OF 3
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

D

C

B

A

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

5

4

3

2

REV	DESCRIPTION	QUALITY SYMBOLS
		 =  =

4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ ---	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---

DIMENSION ST
MM/IN

DRAWN BY	DATE
CPANSAKHOM	2006/07/12
CHECKED BY	DATE
PMEECHA I	2006/07/12
APPROVED BY	DATE
SVIRAT JAPOL	2006/07/12

MATERIAL NO.
SEE CHART

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
NTS

DESIGN UNITS
INCH

©  THIRD ANGLE PROJECTION

FCB ROUND CONDUCTOR
1.27MM(.050)CENTERS PVC.
28AWG STR TOPCOATED

 MOLEX INCORPORATED

DOCUMENT NO. SD-40158-001

SHEET NO.
2 OF 3

E

D

C

B

A

ENGINEERING NO.

40158-XX-XXXX

A B C D

A : CABLE 1.27mm. (.050") CENTERS 28AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 3 THROUGH 50)

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

D : A = INCHES

B = FEET

CHART A

DIMENSIONS MM (INCHES)

ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	SHIPPED ON 100FT. REELS	
				ENGINEERING NO.	ORDER NO.
40158- 3	3	2.54±0.18 (1.00±.007)	3.81 (150)	40158-03-100B	82-28-5503
40158- 4	4	3.81±0.18 (1.50±.007)	5.08 (200)	40158-04-100B	82-28-5504
40158- 5	5	5.08±0.18 (2.00±.007)	6.35 (250)	40158-05-100B	82-28-5505
40158- 6	6	6.35±0.18 (2.50±.007)	7.62 (300)	40158-06-100B	82-28-5506
40158- 7	7	7.62±0.18 (3.00±.007)	8.89 (350)	40158-07-100B	82-28-5507
40158- 8	8	8.89±0.18 (3.50±.007)	10.16 (400)	40158-08-100B	82-28-5508
40158- 9	9	10.16±0.18 (4.00±.007)	11.43 (450)	40158-09-100B	82-28-5509
40158-10	10	11.43±0.18 (4.50±.007)	12.70 (500)	40158-10-100B	82-28-5510
40158-11	11	12.70±0.18 (5.00±.007)	13.97 (550)	40158-11-100B	82-28-5511
40158-12	12	13.97±0.18 (5.50±.007)	15.24 (600)	40158-12-100B	82-28-5512
40158-13	13	15.24±0.18 (6.00±.007)	16.51 (650)	40158-13-100B	82-28-5513
40158-14	14	16.51±0.18 (6.50±.007)	17.78 (700)	40158-14-100B	82-28-5514
40158-15	15	17.78±0.18 (7.00±.007)	19.05 (750)	40158-15-100B	82-28-5515
40158-16	16	19.05±0.23 (7.50±.009)	20.32 (800)	40158-16-100B	82-28-5516
40158-17	17	20.32±0.23 (8.00±.009)	21.59 (850)	40158-17-100B	82-28-5517
40158-18	18	21.59±0.23 (8.50±.009)	22.86 (900)	40158-18-100B	82-28-5518
40158-19	19	22.86±0.23 (9.00±.009)	24.13 (950)	40158-19-100B	82-28-5519
40158-20	20	24.13±0.23 (9.50±.009)	25.40 (1000)	40158-20-100B	82-28-5520
40158-21	21	25.40±0.23 (1.000±.009)	26.67 (1050)	40158-21-100B	82-28-5521
40158-22	22	26.67±0.23 (1.050±.009)	27.94 (1100)	40158-22-100B	82-28-5522
40158-23	23	27.94±0.23 (1.100±.009)	29.21 (1150)	40158-23-100B	82-28-5523
40158-24	24	29.21±0.23 (1.150±.009)	30.48 (1200)	40158-24-100B	82-28-5524
40158-25	25	30.48±0.23 (1.200±.009)	31.75 (1250)	40158-25-100B	82-28-5525
40158-26	26	31.75±0.23 (1.250±.009)	33.02 (1300)	40158-26-100B	82-28-5526
40158-27	27	33.02±0.23 (1.300±.009)	34.29 (1350)	40158-27-100B	82-28-5527
40158-28	28	34.29±0.23 (1.350±.009)	35.56 (1400)	40158-28-100B	82-28-5528
40158-29	29	35.56±0.23 (1.400±.009)	36.83 (1450)	40158-29-100B	82-28-5529
40158-30	30	36.83±0.23 (1.450±.009)	38.10 (1500)	40158-30-100B	82-28-5530
40158-31	31	38.10±0.23 (1.500±.009)	39.37 (1550)	40158-31-100B	82-28-5531
40158-32	32	39.37±0.23 (1.550±.009)	40.64 (1600)	40158-32-100B	82-28-5532
40158-33	33	40.64±0.23 (1.600±.009)	41.91 (1650)	40158-33-100B	82-28-5533
40158-34	34	41.91±0.23 (1.650±.009)	43.18 (1700)	40158-34-100B	82-28-5534
40158-35	35	43.18±0.23 (1.700±.009)	44.45 (1750)	40158-35-100B	82-28-5535
40158-36	36	44.45±0.23 (1.750±.009)	45.72 (1800)	40158-36-100B	82-28-5536
40158-37	37	45.72±0.28 (1.800±.011)	46.99 (1850)	40158-37-100B	82-28-5537
40158-38	38	46.99±0.28 (1.850±.011)	48.26 (1900)	40158-38-100B	82-28-5538
40158-39	39	48.26±0.28 (1.900±.011)	49.53 (1950)	40158-39-100B	82-28-5539
40158-40	40	49.53±0.28 (1.950±.011)	50.80 (2000)	40158-40-100B	82-28-5540
40158-41	41	50.80±0.28 (2.000±.011)	52.07 (2050)	40158-41-100B	82-28-5541
40158-42	42	52.07±0.28 (2.050±.011)	53.34 (2100)	40158-42-100B	82-28-5542
40158-43	43	53.34±0.28 (2.100±.011)	54.61 (2150)	40158-43-100B	82-28-5543
40158-44	44	54.61±0.28 (2.150±.011)	55.88 (2200)	40158-44-100B	82-28-5544
40158-45	45	55.88±0.28 (2.200±.011)	57.15 (2250)	40158-45-100B	82-28-5545
40158-46	46	57.15±0.28 (2.250±.011)	58.42 (2300)	40158-46-100B	82-28-5546
40158-47	47	58.42±0.28 (2.300±.011)	59.69 (2350)	40158-47-100B	82-28-5547
40158-48	48	59.69±0.28 (2.350±.011)	60.96 (2400)	40158-48-100B	82-28-5548
40158-49	49	60.96±0.28 (2.400±.011)	62.23 (2450)	40158-49-100B	82-28-5549
40158-50	50	62.23±0.28 (2.450±.011)	63.50 (2500)	40158-50-100B	82-28-5550

THIRD ANGLE PROJECTION

DESIGN UNITS
INCHSCALE
NTSFCB ROUND CONDUCTOR
1.27MM(.050)CENTERS PVC.
28AWG STR TOPCOATED

MOLEX INCORPORATED

SD-40158-001

SHEET NO.
3 OF 3DIMENSION STYLE
MM/INDRAWN BY CPANSAKHOM DATE 2006/07/12
CHECKED BY PREECHAI DATE 2006/07/12
APPROVED BY SVIRATJAPOL DATE 2006/07/12MATERIAL NO.
SEE CHART

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

QUALITY SYMBOLS

= 
= 

DESCRIPTION

REV

10/12/1/2007 T010L JAPOL APPR:SVIRATJAPOL
62/11/1/2007 VAKHAKHOM CHK:CD:DNARIN TARA
82/11/1/2007 VAKHAKHOM CHK:CD:DNARIN TARA
5100-80027HL ON CE
SEE ENGVHJH DETAIL

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