



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

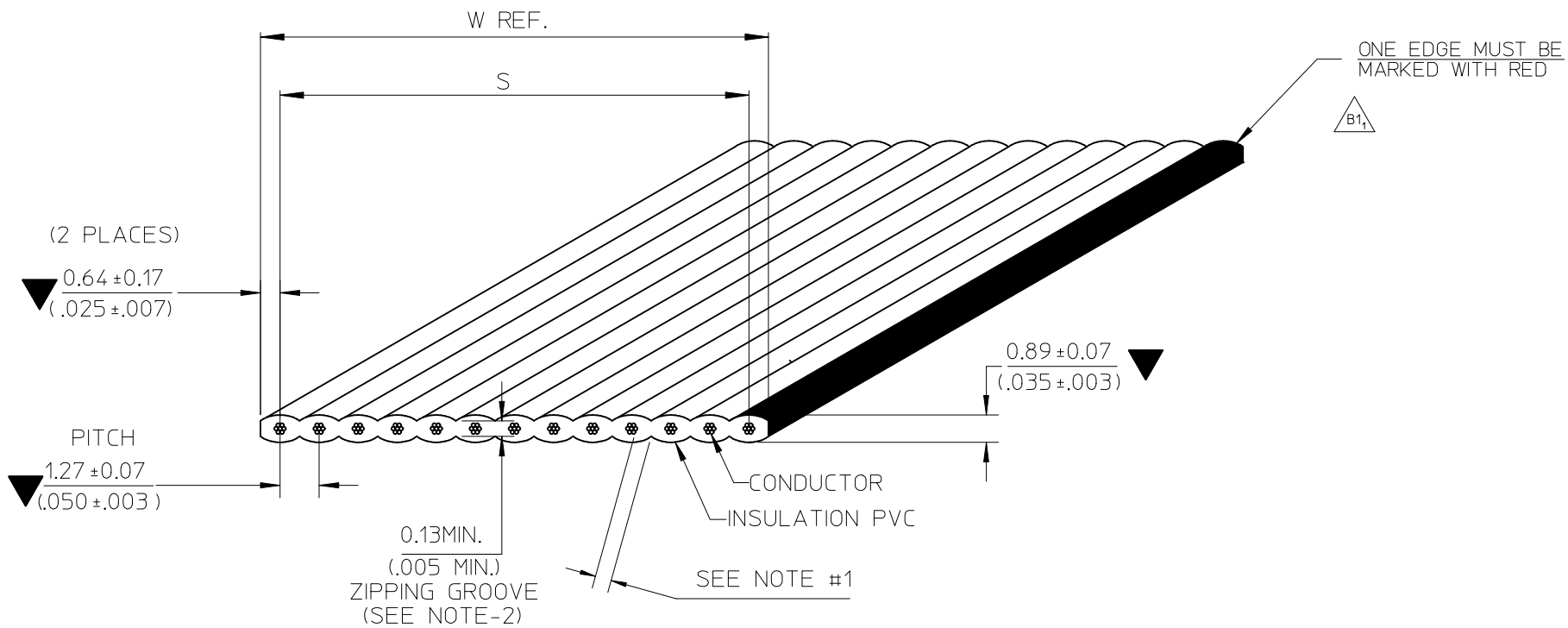
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



7 6 5 4 3 2 1



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

PRODUCT APPLICATION	
<input checked="" type="checkbox"/>	GENERAL USE
<input type="checkbox"/>	AUTOMOTIVE
<input type="checkbox"/>	MEDICAL DEVICE

SEE CHANGE DETAIL
 EC NO: THL2011-0054
 DRWN: CPANSAKHOM 2010/10/07
 CHKD: PREECHAI 2011/01/25
 APPR: SVIRAT JAPOL 2011/03/31

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
PREECHAI	2006/07/12
APPROVED BY	DATE
SVIRAT JAPOL	2006/07/12
MATERIAL NO.	
SEE CHART	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
TITLE		
FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TOPCOATED		
molex MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-40158-001		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

B1	E-10-0371	B1 ₁ : REMOVE REELS MFG. IN NOG.	2011/01/25
B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₄ : ADD SOLDERING CONDITION	2007/10/02
A	N/A	NEW RELEASE	2006/07/12
REV. HISTORY	EC NO.	DETAIL	DATE

6 5 4 3 2 1

7

6

5

4

3

2

1

SPECIFICATIONSPHYSICAL

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

NON-OPERATING TEMPERATURE ----- -20°C TO 105°C
 FAULTS AND/OR SPLICES ----- .1/REEL MAX. 100 $\frac{+3}{0}$ FT. (30.48 $\frac{+0.914}{0}$ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

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

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN: CPANSAKHOM 2010/10/07 CHKD: PMEECHAI 2011/01/25 APPR: SVIRAT JAPOL 2011/03/31	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
		 =  =	4 PLACES \pm --- \pm ---	mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/12	TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TOPCOATED			
			3 PLACES \pm --- \pm ---			CHECKED BY PMEECHAI	DATE 2006/07/12				
			2 PLACES \pm --- \pm ---			APPROVED BY SVIRAT JAPOL	DATE 2006/07/12	 MOLEX INCORPORATED DOCUMENT NO. SD-40158-001 SHEET NO. 2 OF 3			
			1 PLACE \pm --- \pm ---			MATERIAL NO.					
		ANGULAR \pm --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					

6

5

4

3

2

1

ENGINEERING NO.
40158-XX-XXXX
 A $\frac{B}{C} \frac{D}{D}$
 B : CABLE 1.27mm. (.050") CENTERS 28AWG STRANDED TOPCOATED
 C : CONDUCTOR SIZE (AVAILABILITY 3 THROUGH 50)
 D : CABLE LENGTH 100FT. (30.48M.)
 A = INCHES
 B = FEET

CHART A
 DIMENSIONS MM (INCHES)

ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
40158-3	3	2.54±0.18 (100±.007)	3.81 (1.50)	40158-03-1008	82-28-5503
40158-4	4	3.81±0.18 (150±.007)	5.08 (2.00)	40158-04-1008	82-28-5504
40158-5	5	5.08±0.18 (200±.007)	6.35 (2.50)	40158-05-1008	82-28-5505
40158-6	6	6.35±0.18 (250±.007)	7.62 (3.00)	40158-06-1008	82-28-5506
40158-7	7	7.62±0.18 (300±.007)	8.89 (3.50)	40158-07-1008	82-28-5507
40158-8	8	8.89±0.18 (350±.007)	10.16 (4.00)	40158-08-1008	82-28-5508
40158-9	9	10.16±0.18 (400±.007)	11.43 (4.50)	40158-09-1008	82-28-5509
40158-10	10	11.43±0.18 (450±.007)	12.70 (5.00)	40158-10-1008	82-28-5510
40158-11	11	12.70±0.18 (500±.007)	13.97 (5.50)	40158-11-1008	82-28-5511
40158-12	12	13.97±0.18 (550±.007)	15.24 (6.00)	40158-12-1008	82-28-5512
40158-13	13	15.24±0.18 (600±.007)	16.51 (6.50)	40158-13-1008	82-28-5513
40158-14	14	16.51±0.18 (650±.007)	17.78 (7.00)	40158-14-1008	82-28-5514
40158-15	15	17.78±0.18 (700±.007)	19.05 (7.50)	40158-15-1008	82-28-5515
40158-16	16	19.05±0.23 (750±.009)	20.32 (8.00)	40158-16-1008	82-28-5516
40158-17	17	20.32±0.23 (800±.009)	21.59 (8.50)	40158-17-1008	82-28-5517
40158-18	18	21.59±0.23 (850±.009)	22.86 (9.00)	40158-18-1008	82-28-5518
40158-19	19	22.86±0.23 (900±.009)	24.13 (9.50)	40158-19-1008	82-28-5519
40158-20	20	24.13±0.23 (950±.009)	25.40 (1.000)	40158-20-1008	82-28-5520
40158-21	21	25.40±0.23 (1.000±.009)	26.67 (1.050)	40158-21-1008	82-28-5521
40158-22	22	26.67±0.23 (1.050±.009)	27.94 (1.100)	40158-22-1008	82-28-5522
40158-23	23	27.94±0.23 (1.100±.009)	29.21 (1.150)	40158-23-1008	82-28-5523
40158-24	24	29.21±0.23 (1.150±.009)	30.48 (1.200)	40158-24-1008	82-28-5524
40158-25	25	30.48±0.23 (1.200±.009)	31.75 (1.250)	40158-25-1008	82-28-5525
40158-26	26	31.75±0.23 (1.250±.009)	33.02 (1.300)	40158-26-1008	82-28-5526
40158-27	27	33.02±0.23 (1.300±.009)	34.29 (1.350)	40158-27-1008	82-28-5527
40158-28	28	34.29±0.23 (1.350±.009)	35.56 (1.400)	40158-28-1008	82-28-5528
40158-29	29	35.56±0.23 (1.400±.009)	36.83 (1.450)	40158-29-1008	82-28-5529
40158-30	30	36.83±0.23 (1.450±.009)	38.10 (1.500)	40158-30-1008	82-28-5530
40158-31	31	38.10±0.23 (1.500±.009)	39.37 (1.550)	40158-31-1008	82-28-5531
40158-32	32	39.37±0.23 (1.550±.009)	40.64 (1.600)	40158-32-1008	82-28-5532
40158-33	33	40.64±0.23 (1.600±.009)	41.91 (1.650)	40158-33-1008	82-28-5533
40158-34	34	41.91±0.23 (1.650±.009)	43.18 (1.700)	40158-34-1008	82-28-5534
40158-35	35	43.18±0.23 (1.700±.009)	44.45 (1.750)	40158-35-1008	82-28-5535
40158-36	36	44.45±0.23 (1.750±.009)	45.72 (1.800)	40158-36-1008	82-28-5536
40158-37	37	45.72±0.28 (1.800±.011)	46.99 (1.850)	40158-37-1008	82-28-5537
40158-38	38	46.99±0.28 (1.850±.011)	48.26 (1.900)	40158-38-1008	82-28-5538
40158-39	39	48.26±0.28 (1.900±.011)	49.53 (1.950)	40158-39-1008	82-28-5539
40158-40	40	49.53±0.28 (1.950±.011)	50.80 (2.000)	40158-40-1008	82-28-5540
40158-41	41	50.80±0.28 (2.000±.011)	52.07 (2.050)	40158-41-1008	82-28-5541
40158-42	42	52.07±0.28 (2.050±.011)	53.34 (2.100)	40158-42-1008	82-28-5542
40158-43	43	53.34±0.28 (2.100±.011)	54.61 (2.150)	40158-43-1008	82-28-5543
40158-44	44	54.61±0.28 (2.150±.011)	55.88 (2.200)	40158-44-1008	82-28-5544
40158-45	45	55.88±0.28 (2.200±.011)	57.15 (2.250)	40158-45-1008	82-28-5545
40158-46	46	57.15±0.28 (2.250±.011)	58.42 (2.300)	40158-46-1008	82-28-5546
40158-47	47	58.42±0.28 (2.300±.011)	59.69 (2.350)	40158-47-1008	82-28-5547
40158-48	48	59.69±0.28 (2.350±.011)	60.96 (2.400)	40158-48-1008	82-28-5548
40158-49	49	60.96±0.28 (2.400±.011)	62.23 (2.450)	40158-49-1008	82-28-5549
40158-50	50	62.23±0.28 (2.450±.011)	63.50 (2.500)	40158-50-1008	82-28-5550

THIRD ANGLE PROJECTION

DESIGN UNITS INCH

SCALE NTS

DIMENSION STYLE MM/IN

GENERAL TOLERANCES (UNLESS SPECIFIED)

QUALITY SYMBOLS

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

MOLEX INCORPORATED

DOCUMENT NO. SD-40158-001 SHEET NO. 3 OF 3

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

MATERIAL NO. SEE CHART

	mm	INCH
4 PLACES	± .004	± .001
3 PLACES	± .005	± .001
2 PLACES	± .006	± .001
1 PLACE	± .008	± .001
ANGULAR ± .005°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESCRIPTION
 14/03/01/10/2 TAPOL JAPOL
 APPROV:SVIRAT JAPOL
 52/10/11/02
 CHKD:PMEECHAI
 DRWN:CPANSAKHOM
 07/01/10/02
 SEE CHANGE DETAIL
 7505-00-1102 THL2011 ON CC
 B1