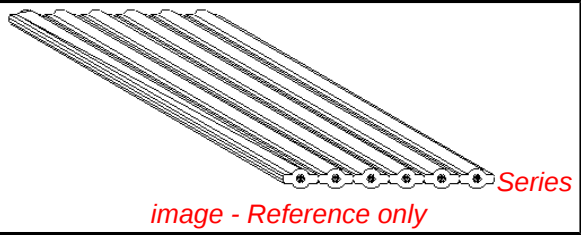


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082285748](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded Tinned, 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	6800
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, Tinned

Electrical

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

Material Info

Old Part Number	6800-48-100B
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Reference - Drawing Numbers

Sales Drawing	SD-6800-001
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EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free	
Status	
Not Reviewed	

Need more information on product environmental compliance?

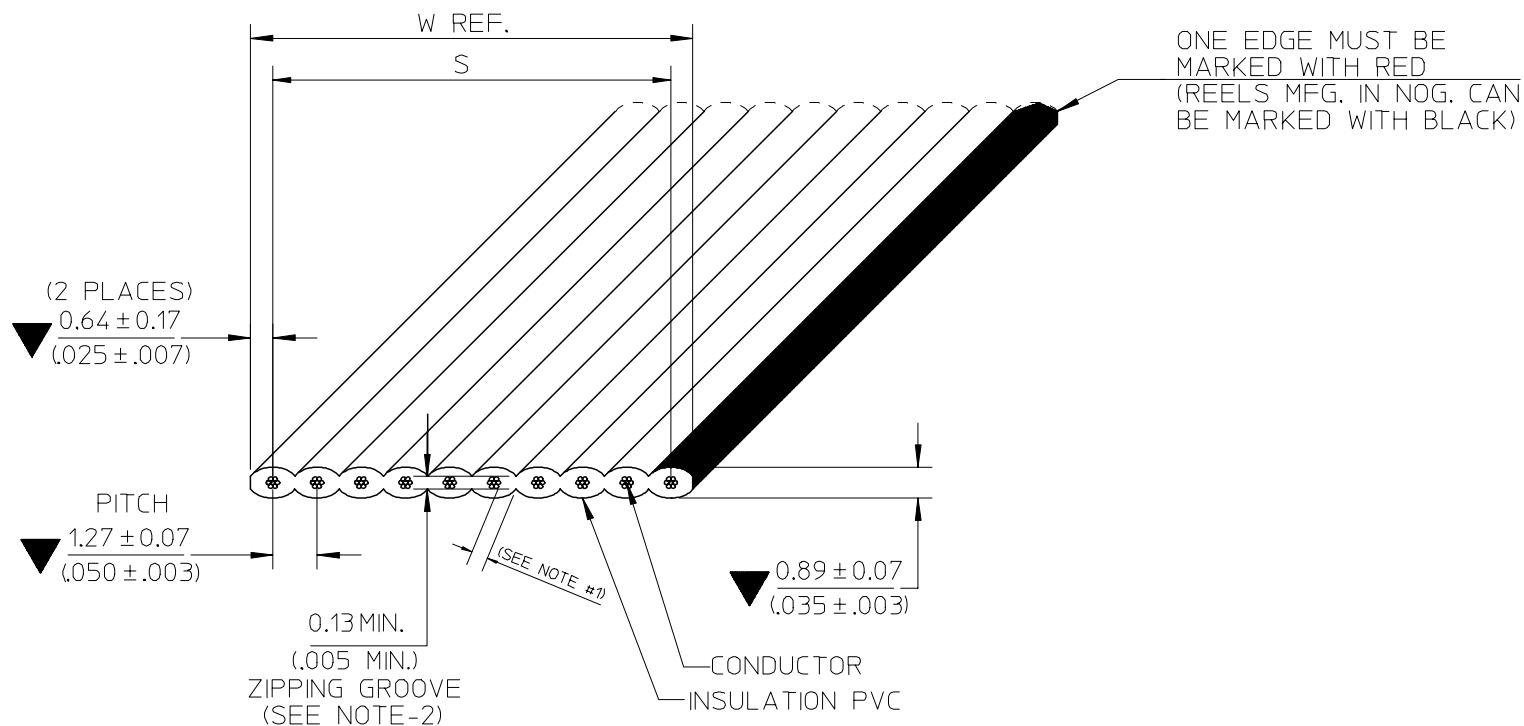
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[6800Series](#)

Use With
[70121](#) MX-50™ Slimline Ribbon Cable.
[90584](#) Picoflex® PF-50 IDT Receptacle

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- 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 ₁ : ADD NON-OPERATING TEMP.	07/11/23
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	DESCRIPTION
▼=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 TINNED		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-6800-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

ENGINEERING NO.		6800-XX-XXXX		A : CABLE 1.27mm. (.050") CENTERS 28AWG STRANDED TINNED		B : CONDUCTOR SIZE (AVAILABILITY 3 THROUGH 50)		C : CABLE LENGTH 100FT. (30.48M.)		D : A = INCHES		B = FEET	
SHIPED ON 100FT. REELS		ENGINEERING NO.		ORDER NO.		DIM. W (REF)		DIMENSION S		NO.OF COND.		ENG. NO.	
6800-03-100B		6800-03-100B		82-28-5703		3.81(.150)		2.54±0.18 (1.00±.007)		3		6800-3	
6800-04-100B		6800-04-100B		82-28-5704		5.08(.200)		3.81±0.18 (1.50±.007)		4		6800-4	
6800-05-100B		6800-05-100B		82-28-5705		6.35(.250)		5.08±0.18 (2.00±.007)		5		6800-5	
6800-06-100B		6800-06-100B		82-28-5706		7.62(.300)		6.35±0.18 (2.50±.007)		6		6800-6	
6800-07-100B		6800-07-100B		82-28-5707		8.89(.350)		7.62±0.18 (3.00±.007)		7		6800-7	
6800-08-100B		6800-08-100B		82-28-5708		10.16(.400)		8.89±0.18 (3.50±.007)		8		6800-8	
6800-09-100B		6800-09-100B		82-28-5709		11.43(.450)		10.16±0.18 (4.00±.007)		9		6800-9	
6800-10-100B		6800-10-100B		82-28-5710		12.70(.500)		11.43±0.18 (4.50±.007)		10		6800-10	
6800-11-100B		6800-11-100B		82-28-5711		13.97(.550)		12.70±0.18 (5.00±.007)		11		6800-11	
6800-12-100B		6800-12-100B		82-28-5712		15.24(.600)		13.97±0.18 (5.50±.007)		12		6800-12	
6800-13-100B		6800-13-100B		82-28-5713		16.51(.650)		15.24±0.18 (6.00±.007)		13		6800-13	
6800-14-100B		6800-14-100B		82-28-5714		17.78(.700)		16.51±0.18 (6.50±.007)		14		6800-14	
6800-15-100B		6800-15-100B		82-28-5715		19.05(.750)		17.78±0.18 (7.00±.007)		15		6800-15	
6800-16-100B		6800-16-100B		82-28-5716		20.32(.800)		19.05±0.23 (7.50±.009)		16		6800-16	
6800-17-100B		6800-17-100B		82-28-5717		21.59(.850)		20.32±0.23 (8.00±.009)		17		6800-17	
6800-18-100B		6800-18-100B		82-28-5718		22.86(.900)		21.59±0.23 (8.50±.009)		18		6800-18	
6800-19-100B		6800-19-100B		82-28-5719		24.13(.950)		22.86±0.23 (9.00±.009)		19		6800-19	
6800-20-100B		6800-20-100B		82-28-5720		25.40(1.000)		24.13±0.23 (9.50±.009)		20		6800-20	
6800-21-100B		6800-21-100B		82-28-5721		26.67(1.050)		25.40±0.23 (1.000±.009)		21		6800-21	
6800-22-100B		6800-22-100B		82-28-5722		27.94(1.100)		26.67±0.23 (1.050±.009)		22		6800-22	
6800-23-100B		6800-23-100B		82-28-5723		29.21(1.150)		27.94±0.23 (1.100±.009)		23		6800-23	
6800-24-100B		6800-24-100B		82-28-5724		30.48(1.200)		29.21±0.23 (1.150±.009)		24		6800-24	
6800-25-100B		6800-25-100B		82-28-5725		31.75(1.250)		30.48±0.23 (1.200±.009)		25		6800-25	
6800-26-100B		6800-26-100B		82-28-5726		33.02(1.300)		31.75±0.23 (1.250±.009)		26		6800-26	
6800-27-100B		6800-27-100B		82-28-5727		34.29(1.350)		33.02±0.23 (1.300±.009)		27		6800-27	
6800-28-100B		6800-28-100B		82-28-5728		35.56(1.400)		34.29±0.23 (1.350±.009)		28		6800-28	
6800-29-100B		6800-29-100B		82-28-5729		36.83(1.450)		35.56±0.23 (1.400±.009)		29		6800-29	
6800-30-100B		6800-30-100B		82-28-5730		38.10(1.500)		36.83±0.23 (1.450±.009)		30		6800-30	
6800-31-100B		6800-31-100B		82-28-5731		39.37(1.550)		38.10±0.23 (1.500±.009)		31		6800-31	
6800-32-100B		6800-32-100B		82-28-5732		40.64(1.600)		39.37±0.23 (1.550±.009)		32		6800-32	
6800-33-100B		6800-33-100B		82-28-5733		41.91(1.650)		40.64±0.23 (1.600±.009)		33		6800-33	
6800-34-100B		6800-34-100B		82-28-5734		43.18(1.700)		41.91±0.23 (1.650±.009)		34		6800-34	
6800-35-100B		6800-35-100B		82-28-5735		44.45(1.750)		43.18±0.23 (1.700±.009)		35		6800-35	
6800-36-100B		6800-36-100B		82-28-5736		45.72(1.800)		44.45±0.23 (1.750±.009)		36		6800-36	
6800-37-100B		6800-37-100B		82-28-5737		46.99(1.850)		45.72±0.28 (1.800±.011)		37		6800-37	
6800-38-100B		6800-38-100B		82-28-5738		48.26(1.900)		46.99±0.28 (1.850±.011)		38		6800-38	
6800-39-100B		6800-39-100B		82-28-5739		49.53(1.950)		48.26±0.28 (1.900±.011)		39		6800-39	
6800-40-100B		6800-40-100B		82-28-5740		50.80(2.000)		49.53±0.28 (1.950±.011)		40		6800-40	
6800-41-100B		6800-41-100B		82-28-5741		52.07(2.050)		50.80±0.28 (2.000±.011)		41		6800-41	
6800-42-100B		6800-42-100B		82-28-5742		53.34(2.100)		52.07±0.28 (2.050±.011)		42		6800-42	
6800-43-100B		6800-43-100B		82-28-5743		54.61(2.150)		53.34±0.28 (2.100±.011)		43		6800-43	
6800-44-100B		6800-44-100B		82-28-5744		55.88(2.200)		54.61±0.28 (2.150±.011)		44		6800-44	
6800-45-100B		6800-45-100B		82-28-5745		57.15(2.250)		55.88±0.28 (2.200±.011)		45		6800-45	
6800-46-100B		6800-46-100B		82-28-5746		58.42(2.300)		57.15±0.28 (2.250±.011)		46		6800-46	
6800-47-100B		6800-47-100B		82-28-5747		59.69(2.350)		58.42±0.28 (2.300±.011)		47		6800-47	
6800-48-100B		6800-48-100B		82-28-5748		60.96(2.400)		59.69±0.28 (2.350±.011)		48		6800-48	
6800-49-100B		6800-49-100B		82-28-5749		62.23(2.450)		60.96±0.28 (2.400±.011)		49		6800-49	
6800-50-100B		6800-50-100B		82-28-5750		63.50(2.500)		62.23±0.28 (2.450±.011)		50		6800-50	

THIRD ANGLE PROJECTION		SCALE NTS		DESIGN UNITS INCH		DIMENSION STYLE MM/IN		GENERAL TOLERANCES (UNLESS SPECIFIED)		QUALITY SYMBOLS		SEE CHANGE DETAIL.	
FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TINNED		TITLE		DRAWN BY CPANSAKHOM		DATE 2006/07/12		4 PLACES ± ---		=		10/12/11/007 2007	
MOLEX INCORPORATED		DOCUMENT NO.		CHECKED BY PMEECHAI		DATE 2006/07/12		3 PLACES ± ---		=		000-0802-HLH: NO: 2007	
SD-6800-001		SHEET NO. 3 OF 3		APPROVED BY SVIRAT JAPOL		DATE 2006/07/12		2 PLACES ± ---		=		CHKD:DNARINTARA	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SEE CHART		MATERIAL NO.		ANGULAR ± ---°		1 PLACE ± ---		=		APPR:SVIRAT JAPOL	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A4		REV		DESCRIPTION		REV		REV		REV	

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tb_frame_A4_P_ME_T

Rev. E 2006/04/15