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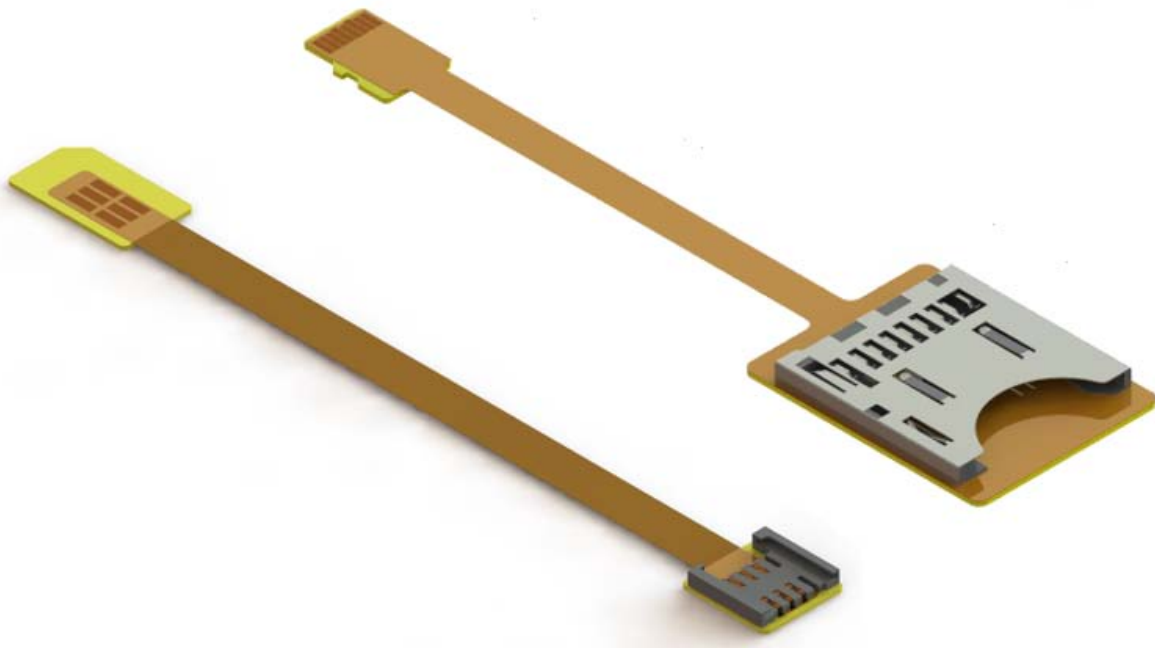
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Derek Chen 20150306



SIM Card Flexible Extender SD Card Flexible Extender

Selection Guide



FY 2015

Micro SD & SIM Card extension For Mobile Phone and Tablet Computer

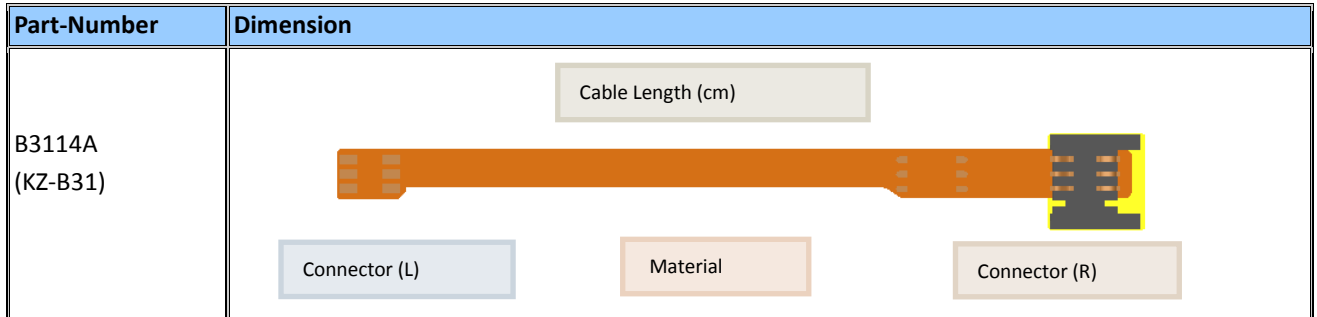
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Part-Number Description

For Example



Part Number	B3114A
FPC projects	B
Plug form (L)	31 (Serial Number)
Connector (R)	
cable length	14 (14CM)
Version	A (1st)

More SIM extension cable example:
 B3214A-DB32, Standard SIM to SIM flexible adapter
 B3012A-BP, (Special 'BP' logo OEM Code)

OEM info

[OEM info] SIM, SD extension product components design info				
Plug form(L) Plug	Connector(R) Conn	Length	Version	OEM Material
Full-Size SIM plug	Full-Size SIM conn	05 (5CM)	A, (1st)	-XX (OEM Code)
SIM plug	SIM conn	10 (10CM)	B, (2nd)	
Micro SIM plug	Full-Size SD conn	14 (14CM)	C, (3rd)	
Nano SIM plug	Connector	18 (18CM)		
SD plug	(Other)	(Other)		
Micro SD plug				
Golden finger pin (Other)				

FPC/FFC Material Spec

Vendor	Material	Flammability	RoHS	Operating temp.	Solder shock	Peel Strength	Thickness	Surface Resistance
DuPont	FPC	UL94 V-0	Compatible	UL 796,180°C	288°C/10sec	>1.8 N/mm	0.1mm	>E16Ω
ShengYi		UL94 V-0	Compatible	/	288°C/10sec	>1.2 N/mm	0.1mm	>10 ⁵ MΩ
Bplus	FFC	VW-1	Compatible	AWM 20624, 80°C	/	/	0.1mm	/

Manufactory info

SIM FPC Cable extension, SIM push-push connector, extender converter adapter 0.1mm thickness, jumper SD slot Card micro SD lock type connector test tool full size micro nano mini size 0.5 , 1.0 pitch FFC FPC FR4 PAD OEM EE 3D model design

Any kinds of cable you want to OEM, please [contact us](#) anytime.

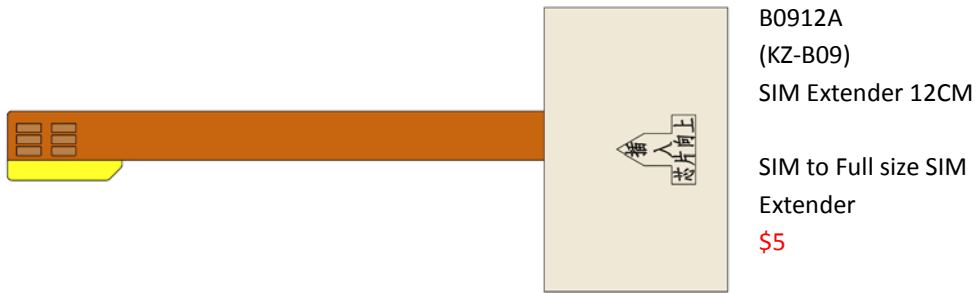
Custom cables: Quantities up to 50PCS, lead time: 2 weeks.

Custom FPC cable: Charge NRE for **USD \$350**.

Custom cables ordered are non-refundable.

Urgently order production Capability 20K/PCS Monthly.

Product List B09 ~ B15

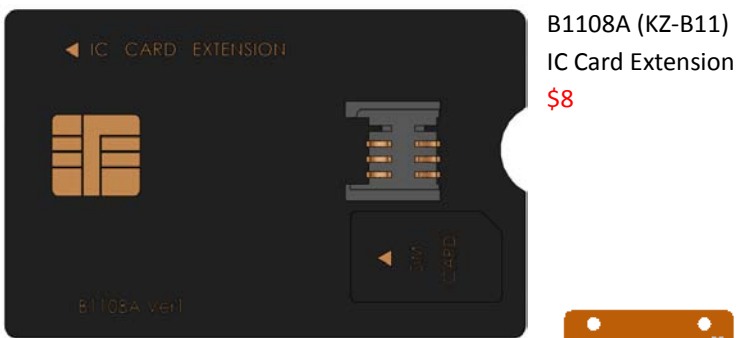


B0912A
(KZ-B09)
SIM Extender 12CM

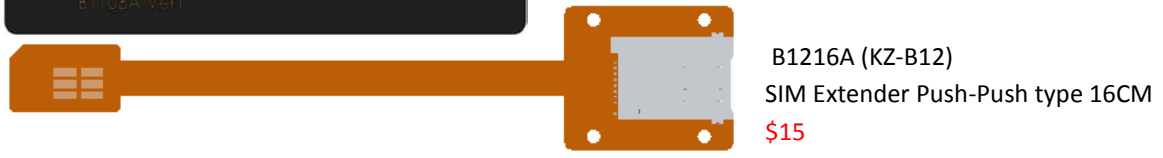
SIM to Full size SIM
Extender
\$5



B1014A (KZ-B10)
SIM Extender 15CM \$5



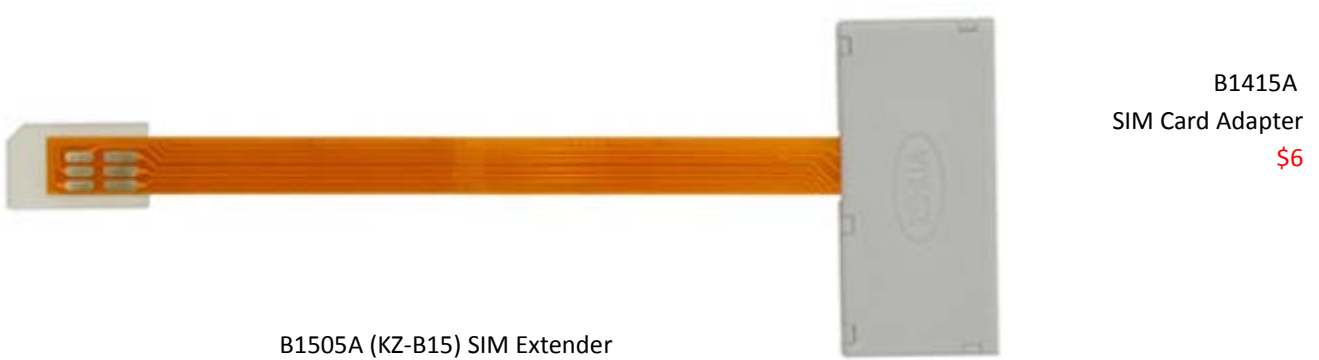
B1108A (KZ-B11)
IC Card Extension
\$8



B1216A (KZ-B12)
SIM Extender Push-Push type 16CM
\$15



B1226B (KZ-B12-L26)
SIM Extender Push-Push type 26CM
(263mmx32mm)
\$20



B1415A
SIM Card Adapter
\$6



B1505A (KZ-B15) SIM Extender
For mPCIe 3G module to add SIM slot
\$12

Product List B16 ~ B19



B1612A (KZ-B16)
SIM Extender 12CM \$6



B1612A-M (KZ-B16)
SIM to Micro SIM Extender 12CM
\$6



B1605B (KZ-B16-L5.5)
SIM Extender 5.5CM \$6



B1605B-M (KZ-B16-L5.5)
SIM to Micro SIM Extender 5.5cm
\$6



B1712A (KZ-B17), 125mmx25mm
SIM Extender 12.5CM
\$17



B1712A-M (KZ-B17), 125mmx25mm
SIM to Micro SIM Extender 12.5cm
\$17



← B1809A (KZ-B18) \$10

↓ B1816B (KZ-B18-L16) \$12

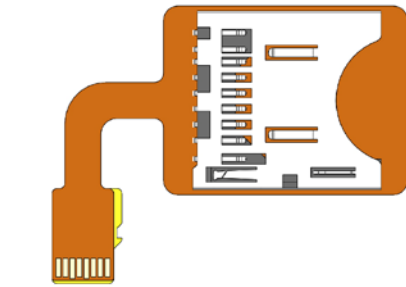


B1912A
(KZ-B19 V1.0)
For Android Phone
\$12

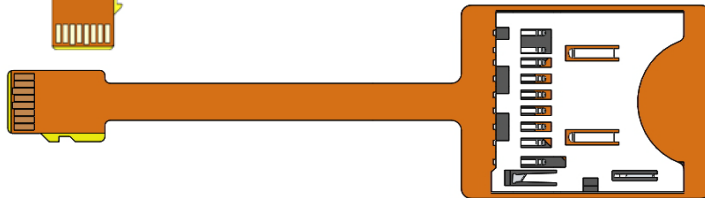
Product List B19-DB19 ~ B31



B1908B-DB19
(KZ-B19 V1.1)
For Android Phone
\$15



B1905C \$15
SD to Micro SD FPC Extender



B1911E
For Android Phone
\$12



B2040A (KZ-B20 V1.0) \$17 →
B2014B (KZ-B20 V1.2) \$8 →
Micro SIM to SIM Extender



B2040A-M (KZ-B20 V1.0) \$17
B2014B-M (KZ-B20 V1.2) \$8
Micro SIM to Micro SIM Extender



B3014A (KZ-B30) \$8
Micro SIM to SIM Extender (Galaxy)



B3014A-M \$8
Micro SIM to SIM Extender (Galaxy)




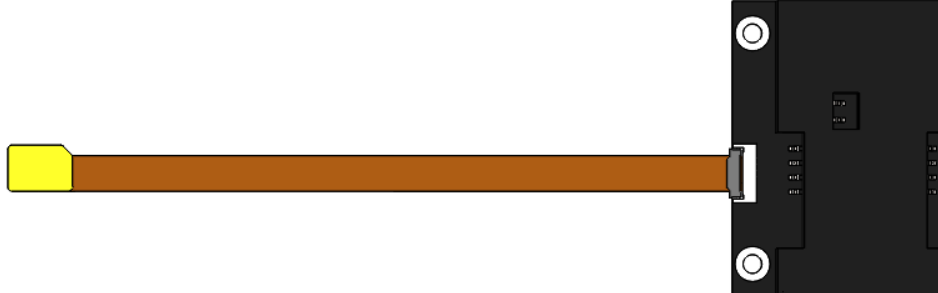
B3114A (KZ-B31) \$8
Nano SIM to SIM Extender (iPhone5)
B3114A-M (KZ-B31) \$8





Nano SIM to Micro SIM Extender
(iPhone5)


Product List B32 ~ B40


- 


B3214A (KZ-B32)
(iPhone5) \$8
- 

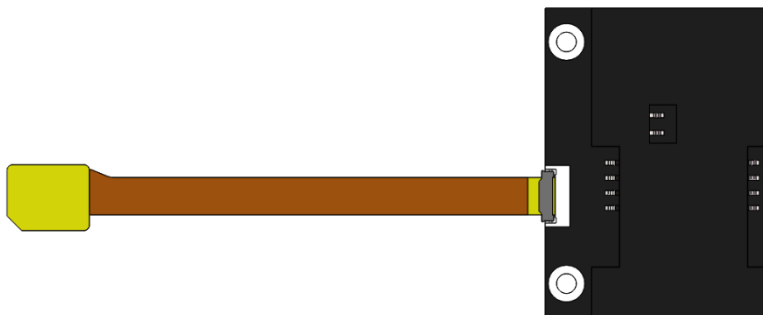
B3214A-DB32
(KZ-B32)
Nano SIM to full size SIM
Extender
(iPhone5)
\$14
- 

B3612A (KZ-B36) \$8
SIM Extender non-push 12CM
- 

B3612A-M (KZ-B36) \$8
SIM to Micro SIM Extender non-push
12cm
- 

B3616B (KZ-B36-L) \$10
SIM Extender non-push 16CM
- 

B3616B-M \$10
SIM to Micro SIM Extender non-push 16CM
- 

B4010A \$4
(For Galaxy)
- 

B4010A-DB43 (KZ-B43-DB43)
Micro SIM to full size SIM Extender
(For Galaxy)
\$10

Product List B41 ~ B45



B4116A
SIM to Full size SIM Extender
\$4



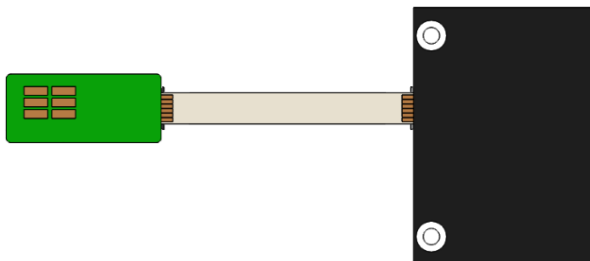
B4116A-DB32
(KZ-B41-DB32)
SIM to Full size SIM Extender
\$10



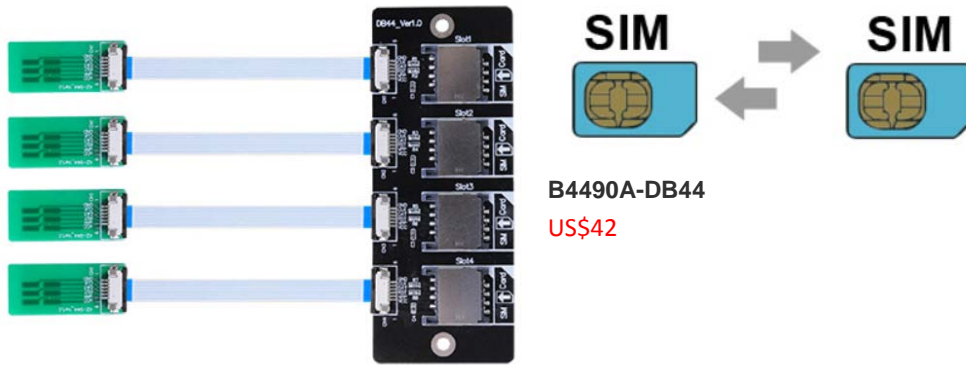
B4211B
Micro SIM to SIM push type Extender 11cm
US\$15



B4215A (KZ-B42)
Micro SIM to SIM push type
Extender
\$15



B4430A-DB32 (KZ-B44-DB32 30CM)
B4430B-DB43 (Reverse cable 30CM)
SIM to Full-Size SIM FFC Extender
\$9



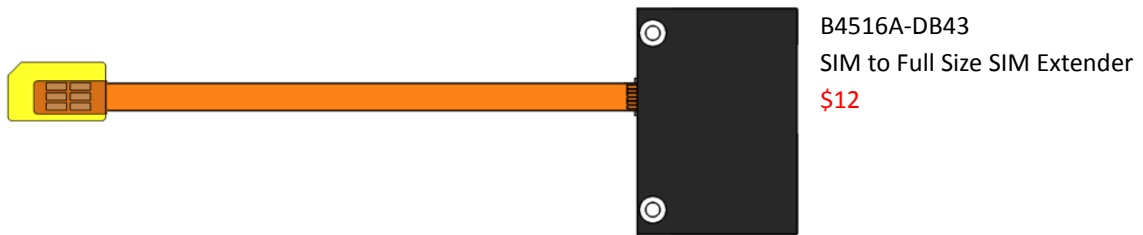
B4490A-DB44
US\$42



B4490A-DB32
US\$12



B4516A
SIM to Full Size SIM Extender
\$6

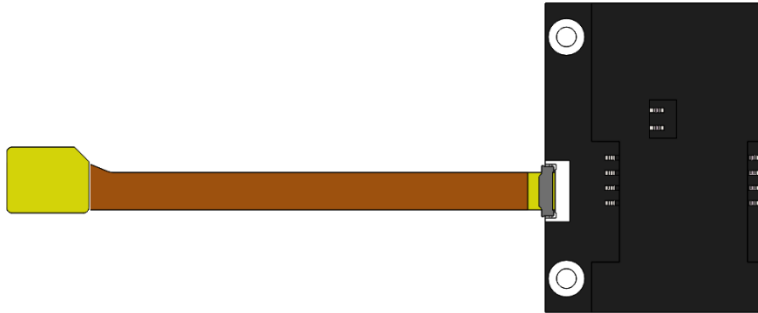


B4516A-DB43
SIM to Full Size SIM Extender
\$12

Product List B46 ~ B50



B4616A \$6



B4616A-DB32
Micro SIM to SIM Extender
\$12



B4714A \$12
Nano SIM to SIM Extender



B4714A-M \$12
Nano SIM to Micro SIM Extender



B4814A \$6



B4814A-DB43 \$12
Nano SIM to full size SIM
Extender



B4912A
For Android Phone
\$10

B5018B V1.0
Duo SIM Card Adapter 18cm
US\$12



Product List B51 ~ DB44



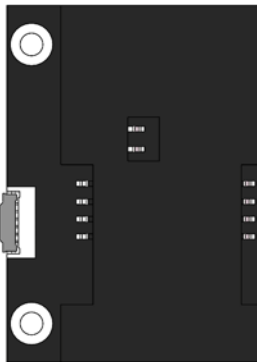
B5116A
16cm Sim card Extender with pcb board
\$15



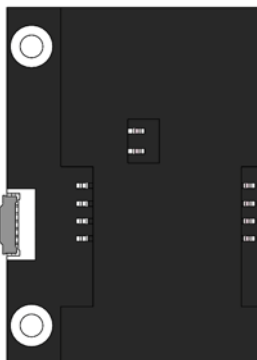
B5103A
SIM Card Adapter
\$3



B5416A
16cm SD to SD FPC Extender Board
\$15



DB32
\$6



D43
\$6



DB44
Quad SIM daughter board

US\$18

Normal SIM & Micro SIM Extender Product List



Normal SIM Extender Product List

Part-Number	Where to buy?	Project Name
B0912A (KZ-B09)	Web-shop	Normal SIM to Full size SIM Extender 12CM
B1014A (KZ-B10)	Web-shop	Normal SIM Extender 14CM
B1216A (KZ-B12)	Web-shop	180° SIM Extender Push-Push type 16CM
B1216A-M	Web-shop	SIM to Micro SIM Extender 12CM
B1226B (KZ-B12-L26)	Web-shop	180° SIM Extender Push-Push type 26CM
B1226B-M	Web-shop	SIM to Micro SIM Extender 26CM
B1415A (KZ-B14)	Web-shop	180° plug SIM Extender 15CM
B1612A (KZ-B16)	Web-shop	Normal SIM Extender 12CM
B1612A-M	Web-shop	SIM to Micro SIM Extender 12CM
B1605B (KZ-B16-L5.5)	Web-shop	Normal SIM Extender 5.5CM
B1605B-M	Web-shop	SIM to Micro SIM Extender 5.5CM
B1712A (KZ-B17)	Web-shop	90° plug SIM Extender 12.5CM
B1712A-M	Web-shop	SIM to Micro SIM Extender 12.5cm
B3612A (KZ-B36)	Web-shop	180° plug SIM Extender 12CM
B3612A-M	Web-shop	SIM to Micro SIM Extender non-push 12cm
B3616B (KZ-B36-L)	Web-shop	180° plug SIM Extender 16CM
B3616B-M	Web-shop	SIM to Micro SIM Extender non-push 16cm
B4116A-DB32 (KZ-B41-DB32)	Web-shop	Normal plug SIM to Full size SIM Extender 16CM
B4430A-DB32 (KZ-B44-DB32-030A)	Web-shop	Normal SIM to Full-Size SIM FFC 90CM Extender
B4430B-DB43 (KZ-B44-DB32-030B)	Web-shop	180° SIM to Full-Size SIM FFC reverse 90CM Extender
B4516A-DB43	Web-shop	180° plug SIM to Full size SIM Extender 16CM
B5015A	Contact sales	Dual SIM card extension, with switch
B5015A-M		15cm Dual Micro SIM card extension With switch
BXXXX-OEM	Contact Sales	OEM project

Micro SIM Extender Product List



Part-Number	Where to buy?	Project Name
B2014B (KZ-B20 V1.2)	Web-shop	Micro SIM to SIM Extender (iPhone4)
B2014B-M	Contact Sales	Micro SIM to Micro SIM Extender (iPhone4)
B2040A (KZ-B20 V1.0)	Web-shop	Micro SIM to SIM Extender (for Testing)
B2040A-M	Contact Sales	Micro SIM to Micro SIM Extender (iPhone4)
B3014A (KZ-B30)	Web-shop	180° plug Micro SIM to SIM Extender (Galaxy)
B3014A-M	Web-shop	Micro SIM to Micro SIM Extender (Galaxy)
B4010A-DB43	Web-shop	180° plug Micro SIM to full size SIM Extender (For Galaxy)
B4215A (KZ-B42)	Web-shop	180° plug Micro SIM to SIM push type Extender (For Galaxy)
B4616A-DB32	Web-shop	Micro SIM to Full size SIM Extender 16CM
BXXXX-OEM	Contact Sales	OEM project

Nano SIM Extender & Micro SD Card Tray & Special Product List

Nano SIM Extender Product List



Part-Number	Where to buy?	Project Name
B3114A (KZ-B31)	Web-shop	Nano SIM to SIM Extender (iPhone5)
B3114A-M	Web-shop	Nano SIM to Micro SIM Extender (iPhone5)
B3214A-DB32 (KZ-B32)	Web-shop	Nano SIM to full size SIM Extender (iPhone5)
B4714A	Web-shop	180° Nano SIM to SIM Extender
B4714A-M	Web-shop	Nano SIM to Micro SIM Extender
B4814A	Web-shop	180° Nano SIM to full size SIM Extender
BXXXX-OEM	Contact Sales	OEM project

Micro SD Card tray Product List



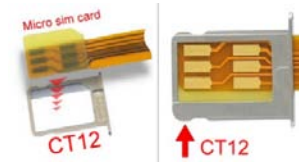
Part-Number	Where to buy?	Project Name
B1809A (KZ-B18)	Web-shop	Micro SD Extender 9.4CM
B1816B (KZ-B18-L16)	Web-shop	Micro SD Extender 16CM
B1912A(KZ-B19 V1.0)	Web-shop	Micro SD to Full SD Extender 12CM for Android
B1911E	Web-shop	Micro SD to Full SD Extender 11CM for Android
B1908B-DB19 (KZ-B19-008 V1.1)	Web-shop	Micro SD to Full SD Extender 8CM for testing
B4912A V1.0	Contact sales	Micro SD to 90° Full SD Extender

Special Product OEM example


Part-Number	Where to buy?	Project description
B1108A (KZ-B11)	Web-shop	IC Card Extension
B1505A (KZ-B15)	Web-shop	SIM Extender for 3Gcard
B1905C	Contact sales	SD to Micro SD FPC Extender
DB44 (KZ-B44)	Contact sales	Quad SIM daughter board
B5015A	Contact sales	Dual SIM card extension, with switch
B5015A-M		15cm Dual Micro SIM card extension With switch
DB32		full size SIM Extender
DB43		full size SIM Extender

Card Tray Product List

Card tray for APPLE




CT12 \$5 B20 series Micro SIM Card tray for iPhone4
iPhone4 卡托



CT22 \$5 B31, B32 series
CT23 \$5 B31, B32 series
iPhone5 卡托

Nano SIM Card tray for iPhone5
Nano SIM for iPad-mini


Card tray for SIM Product List



CT11 \$1
Micro SIM to normal SIM card tray




CT11G \$2
Micro SIM to normal SIM card tray (GGMM)



CT21 \$2
Nano SIM to normal SIM card tray

Card tray for micro SD Product List



CT31
Micro SD to full SD card tray
\$1



Card tray Product List

Part-Number	Where to buy?	Project Name
CT11	Web-shop	Micro SIM to normal SIM card tray
CT11G	Web-shop	Micro SIM to normal SIM card tray (GGMM)
CT12	Web-shop	Micro SIM Card tray for iPhone4
CT21	Web-shop	Nano SIM to normal SIM card tray
CT22	Web-shop	Nano SIM Card tray for iPhone5
CT23	soon	Nano SIM Card tray for iPad-mini
CT31	Web-shop	Micro SD to Full SD card tray









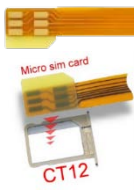



Apple iPhone5, iPad-mini Application

Apple iPhone 5(c)(s), New iPad, iPad-mini ,Nano SIM projects

Model	APPLE iPhone 5	APPLE iPhone 5S(c)	Apple NEW iPad	Apple iPad-mini	
Mobile Phone					
SIM form factor	 nano SIM				
FFC extension	 <p> B3114A (KZ-B31) nano SIM SIM IC Card SmartCard B3214A-DB32 (KZ-B32) </p> <p> CT22 \$5 Nano SIM Card tray for iPhone5, New iPad CT23 \$5 Nano SIM Card tray for iPad-mini </p> <p style="text-align: right;">CT22, B3113A, B3214A-DB32</p>				







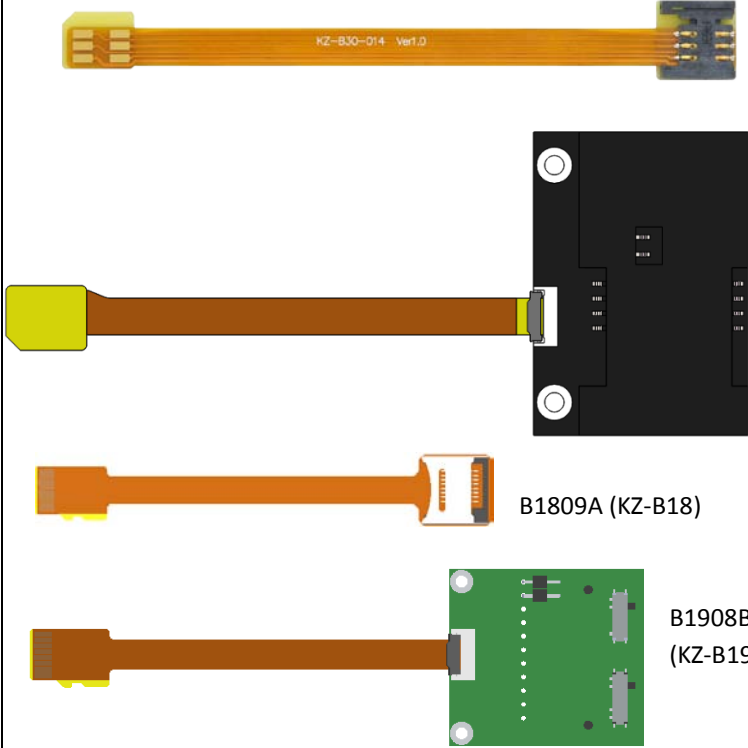
Apple iPhone4, iPad Application

Apple iPhone 4(s), Micro SIM projects

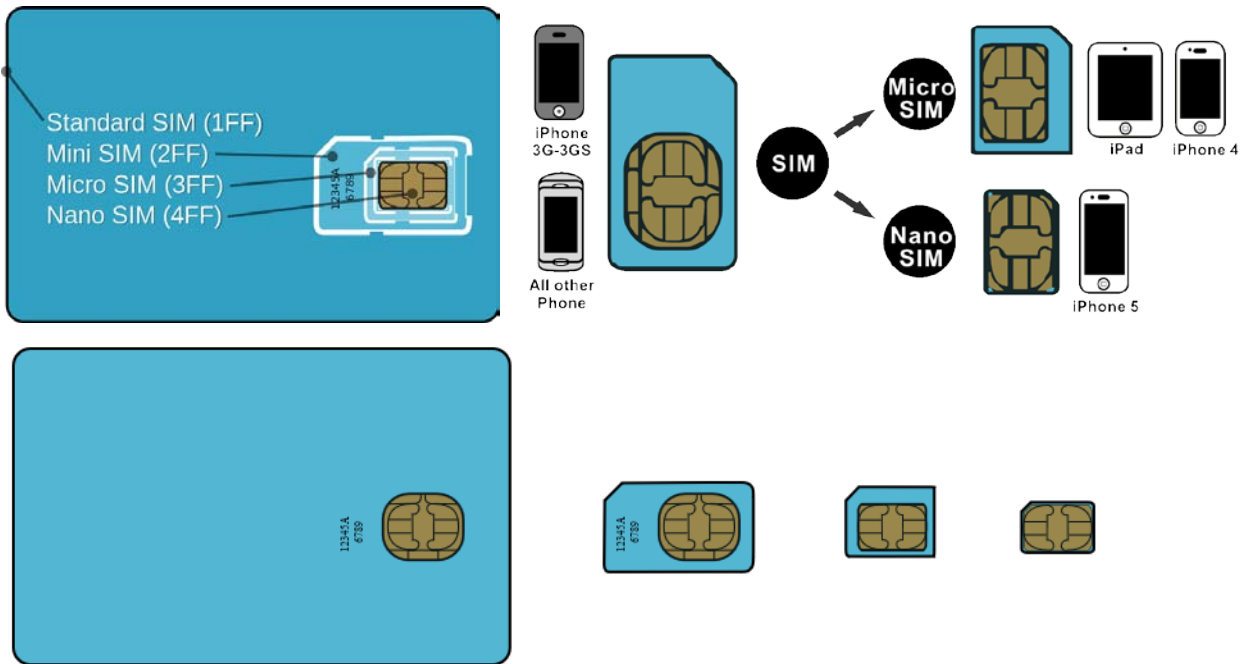
Model	APPLE iPhone 4	APPLE iPhone 4S	APPLE iPad	APPLE iPad2	
Mobile Phone					
SIM form factor	   				Micro SIM
FFC extension	   				B3114A
					CT12, B3113A,

Samsung Note2, Note3, S3, S4 Application

Samsung Note2, Note3, S3, S4, MicroSIM

Model	Samsung Note2	Samsung Note3	Samsung S4	Samsung S5	Samsung Note8.0
Mobile Phone					
SIM form factor	 <p>Note2 Note3 S3 S4 S5 Note8.0 Micro SIM</p>				
FFC extension	 <p>B3014A (KZ-B30)</p> <p>B4010A-DB43 (KZ-B40-DB43)</p> <p>B1809A (KZ-B18)</p> <p>B1908B-DB19 (KZ-B19-DB19 V1.1)</p>				

Appendix: SIM Card introduction

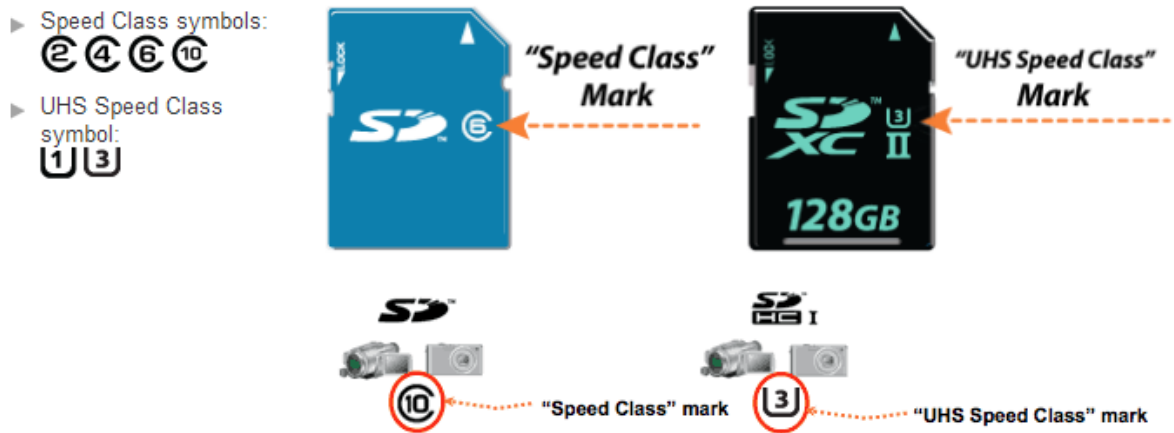


SIM thickness


SIM Card Size	Length (mm)	Width (mm)	Thickness (mm)	Real Thickness (mm)
Full-size (FF)	85.60	53.98	0.76	0.80 or OEM
Mini-SIM (2FF)	25.00	15.00	0.76	0.80 or OEM
Micro-SIM (3FF)	15.00	12.00	0.76	0.75 or OEM
Nano-SIM (4FF)	12.30	8.80	0.67	0.70 or OEM
Embedded-SIM	6.00	5.00	<1.0	Embedded-SIM

SD thickness

SD Card Size	Length (mm)	Width (mm)	Thickness (mm)	Real Thickness (mm)
Full-size SD	24.00	32.00	1.40	1.40 or OEM
Micro SD	11.00	15.00	0.70	0.72 or OEM



	Full SD	miniSD	microSD	SD Card Capacity
SD				up to 2GB
SDHC				High Capacity 4GB to 32GB
SDXC				Extended Capacity Over 32GB up to 2TB

Bus Interface	Card Type	Bus Mark	Bus Speed	Spec Version
Normal Speed	SD, SDHC and SDXC	---	12.5MB/s	1.01
High Speed	SD, SDHC and SDXC	---	25MB/s	2.00
UHS-I	SDHC and SDXC	I  	50MB/s (SDR50, DDR50) 104MB/s (SDR104)	3.01
UHS-II	SDHC and SDXC	II  	156MB/s 312MB/s	4.00

Appendix: SD Card introductionbh

Appendix: Part-Number description

Part-Number	Where to buy?	Project Name
B0912A (KZ-B09)	Web-shop	Normal SIM to Full size SIM Extender 12CM
B1014A (KZ-B10)	Web-shop	Normal SIM Extender 14CM
B1108A (KZ-B11)	Web-shop	IC Card Extension
B1216A (KZ-B12)	Web-shop	180° SIM Extender Push-Push type 16CM
B1226B (KZ-B12-L26)	Web-shop	180° SIM Extender Push-Push type 26CM
B1415A (KZ-B14)	Web-shop	180° plug SIM Extender 15CM
B1505A (KZ-B15)	Web-shop	SIM Extender for 3Gcard
B1605B (KZ-B16-L5.5)	Web-shop	Normal SIM Extender 5.5CM
B1612A (KZ-B16)	Web-shop	Normal SIM Extender 12CM
B1712A (KZ-B17)	Web-shop	90° plug SIM Extender 12.5CM
B1809A (KZ-B18)	Web-shop	Micro SD Extender 9.4CM
B1816B (KZ-B18-L16)	Web-shop	Micro SD Extender 16CM
B1912A (KZ-B19 V1.0)	Web-shop	Micro SD to Full SD Extender 12CM for Android
B1908B-DB19 (KZ-B19 V1.1)	Web-shop	Micro SD to Full SD Extender 8CM for testing
B1905C	Web-shop	SD to Micro SD FPC Extender
B2014B (KZ-B20 V1.2)	Web-shop	Micro SIM to SIM Extender (iPhone4)
B2040A (KZ-B20 V1.0)	Web-shop	Micro SIM to SIM Extender (for Testing)
B3014A (KZ-B30)	Web-shop	180° plug Micro SIM to SIM Extender (Galaxy)
B3114A (KZ-B31)	Web-shop	Nano SIM to SIM Extender (iPhone5)
B3214A-DB32 (KZ-B32)	Web-shop	Nano SIM to full size SIM Extender (iPhone5)
B3612A (KZ-B36)	Web-shop	180° plug SIM Extender 12CM
B3616B (KZ-B36-L)	Web-shop	180° plug SIM Extender 16CM
B4010A-DB43	Web-shop	180° plug Micro SIM to full size SIM Extender (For Galaxy)
B4116A-DB32 (KZ-B41-DB32)	Web-shop	Normal plug SIM to Full size SIM Extender 16CM
B4215A (KZ-B42)	Web-shop	180° plug Micro SIM to SIM push type Extender (For Galaxy)
B4430A-DB32 (KZ-B44-DB32-030A)	Web-shop	Normal SIM to Full-Size SIM FFC 90CM Extender
B4430B-DB43 (KZ-B44-DB32-030B)	Web-shop	180° SIM to Full-Size SIM FFC reverse 90CM Extender
B4516A-DB43	Web-shop	180° plug SIM to Full size SIM Extender 16CM
B4616A-DB32	Web-shop	Micro SIM to Full size SIM Extender 16CM
B4714A	Web-shop	180° Nano SIM to SIM Extender
B4814A-DB43	Web-shop	180° Nano SIM to full size SIM Extender
B4912A V1.0	Contact sales	Micro SD to 90° Full SD Extender
B5015A	Web-shop	Dual SIM card extension, with switch
B5116A	Web-shop	SIM Extender Push-Push tyep 16CM
B5303A	Web-shop	SIM Card Adapter
B5416A	Web-shop	SD to SD FPC Extender Board 16CM

APPENDIX: PART-NUMBER DESCRIPTION

Part-Number	Where to buy?	Project Name
CT11	Web-shop	Micro SIM to normal SIM card tray
CT11G	Web-shop	Micro SIM to normal SIM card tray (GGMM)
CT12	Web-shop	Micro SIM Card tray for iPhone4
CT21	Web-shop	Nano SIM to normal SIM card tray
CT22	Web-shop	Nano SIM Card tray for iPhone5
CT23	soon	Nano SIM Card tray for iPad-mini
CT31	Web-shop	Micro SD to Full SD card tray
DB19	Contact sales	Full size SD daughter board for B19
DB32	Contact sales	Full size SIM daughter board for B41, B46
DB43	Contact sales	Full size SIM daughter board for B40, B45, B48
DB44	Contact sales	Quad SIM daughter board for B44

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