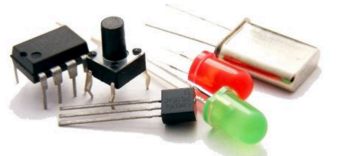
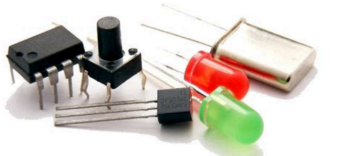


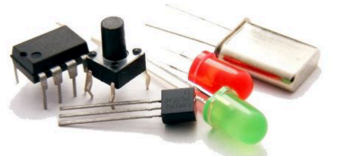
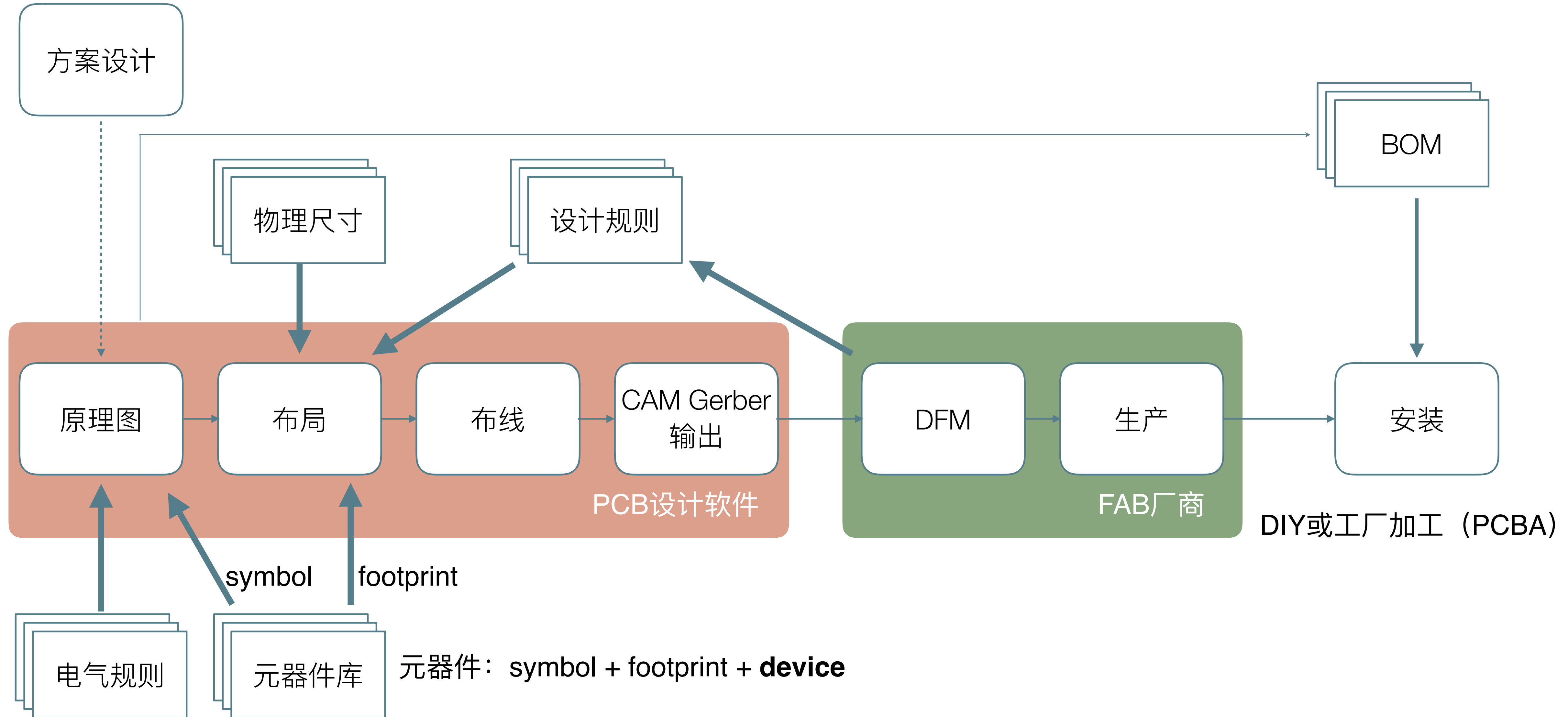
BOM文件的产生及元器件备料



- **什么时候产生BOM? 并开始备料?**
- **如何才能是一个合格的BOM?**
- **到哪里去备料?**



从原理图到生产文件输出

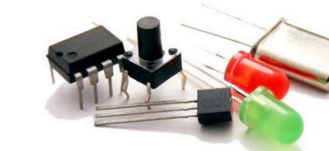


TIDA-00771 REV E2 Bill of Materials

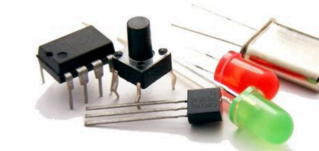
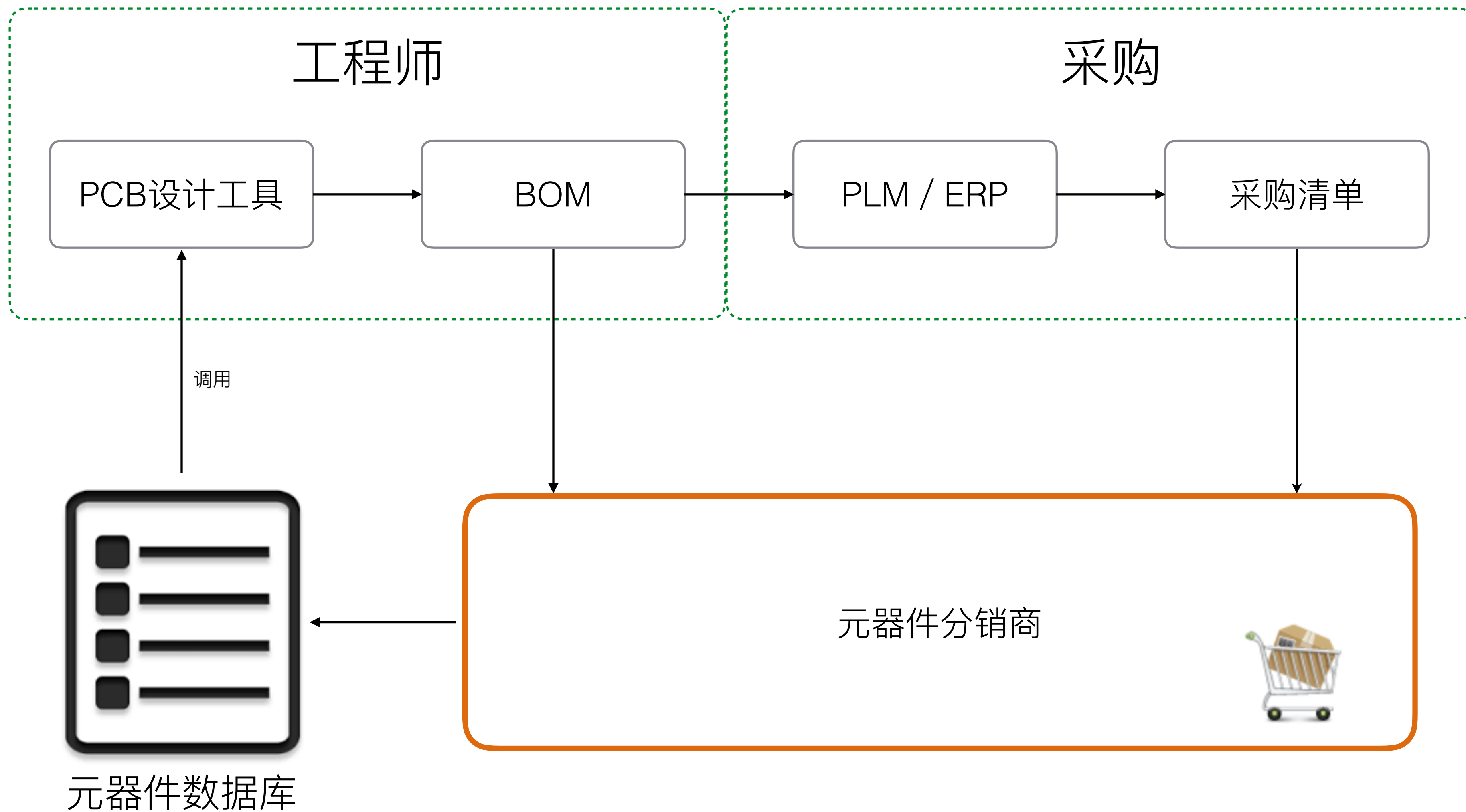
Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C3, C15	3	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 0603	0603
2	C2, C4	2	0.047uF	C1608X7R1E473K	TDK	CAP, CERM, 0.047 μ F, 25 V, +/- 10%, X7R, 0603	0603
3	C5	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206	1206
4	C6	1	4.7uF	GRM21BR61C475KA88L	MuRata	CAP, CERM, 4.7 μ F, 16 V, +/- 10%, X5R, 0805	0805
5	C7, C8, C9	3	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 μ F, 100 V, +/- 10%, X7R, 1210	1210
6	C10, C14, C26, C27, C30	5	1000pF	885012205061	Würth Elektronik	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402
7	C11	1	3300pF	C1005X7R1H332K	TDK	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C12	1	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X7R, 1206	1206
9	C13, C18, C23, C25, C28, C31	6	0.1uF	885012105016	Würth Elektronik	CAP, CERM, 0.1 μ F, 16 V, +/- 20%, X5R, 0402	0402
10	C16	1	10uF	0805YD106MAT2A	AVX	CAP, CERM, 10uF, 16V, +/-20%, X5R, 0805	0805
11	C17, C29	2	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1 μ F, 16 V, +/- 5%, X7R, 0603	0603
12	C19, C20	2	270uF	EKZN350ELL271MJC5S	United Chemi-Con	CAP ALUM 270UF 20% 35V RADIAL	10x20
13	C21	1	0.1uF	C2012X7R1E104K	TDK	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0805	0805
14	C22	1	2200pF	GRM155R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0402	0402
15	C24	1	0.01uF	C0603X103K5RACTU	Kemet	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0603	0603
16	D1	1	RED	150060RS75000	Würth Electronics Inc	LED RED CLEAR 0603 SMD	LED 0603
17	D2	1	30V	SMAJ30CA	Littelfuse	Diode, TVS, Bi, 30 V, 400 W, SMA	SMA
18	D3	1	YELLOW	150060YS75000	Würth Electronics Inc	LED YELLOW CLEAR 0603 SMD	LED 0603
19	D4	1	GREEN	150060GS75000	Würth Electronics Inc	LED, Green, SMD	LED 0603
20	D5	1	40V	NSR0240V2T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.25 A, SOD-523	SOD-523
21	J1	1	PEC04SAA N	PEC04SAAN	Sullins	Header, Male 4-pin, 100mil spacing,	0.100 inch x 4
22	J2	1		800-10-003-10-001000	Mill-Max	Header, 100mil, 3x1, TH	Header, 3x1, 100mil, TH
23	J3	1		800-10-005-10-001000	Mill-Max	Header, 100mil, 5x1, TH	Header, 5x1, 100mil, TH
24	J4	1		800-10-002-10-001000	Mill-Max	Header, 100mil, 2x1, TH	Header, 2x1, 100mil, TH
25	LBL1	1		TIDA-00771	Any	Printed Circuit Board	
26	Q1, Q2, Q3, Q4, Q5, Q6	6	30V	CSD17576Q5B	Texas Instruments	MOSFET, N-CH, 30 V, 100 A, SON 5x6mm	SON 5x6mm
27	R1, R3	2	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
28	R2	1	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, 0603	0603
29	R4, R16, R17	3	3.30k	RG1608P-332-B-T5	Susumu Co Ltd	RES, 3.30 k, 0.1%, 0.1 W, 0603	0603
30	R5, R18	2	0.001	CRE2512-FZ-R001E-3	Bourns Inc.	RES SMD 0.001 OHM 1% 3W 2512	2512
31	R6, R7, R22, R27, R28, R39, R42, R43, R44	9	100	ERJ-2RKF1000X	Panasonic	RES, 100, 1%, 0.1 W, 0402	0402
32	R8	1	5.11	RC0603FR-075R11L	Yageo America	RES, 5.11, 1%, 0.1 W, 0603	0603
33	R9	1	47.5k	CRCW040247K5FKED	Vishay-Dale	RES, 47.5 k, 1%, 0.063 W, 0402	0402
34	R10	1	2M	RC0603FR-072ML	Yageo	RES SMD 2M OHM 1% 1/10W 0603	0603
35	R11	1	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.1 W, 0603	0603
36	R12	1	499k	RC0402FR-07499KL	Yageo	RES SMD 499K OHM 1% 1/16W 0402	0402
37	R13, R14, R15	3	3.3k	CRCW04023K30JNED	Vishay-Dale	RES, 3.3 k, 5%, 0.063 W, 0402	0402
38	R19, R21, R32, R36, R37, R38	6	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
39	R20	1	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
40	R23	1	51.1k	CRCW040251K1FKED	Vishay-Dale	RES, 51.1 k, 1%, 0.063 W, 0402	0402
41	R24	1	78.7k	CRCW040278K7FKED	Vishay-Dale	RES, 78.7 k, 1%, 0.063 W, 0402	0402

BOM要素

- 编号 - Designator
- 数量 - Quantity
- 型号 - Part number
- 值 - Value
- 生产商 - Manufacture
- 描述 - Description
- 封装 - Package/Footprint



流程

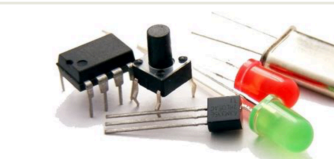


采购原则

1. 质量可靠
2. 货期受控
3. 服务保障
4. 价格尽可能低



货源	主要厂商	质量	货期	数量	价格
现有库存		可靠	现在		
现有可信的供货渠道		可靠	不一定		
原厂 - 样品/小批量	TI、ADI、美信	可靠	快		免费或较贵
原厂授权分销商	Arrow、Avnet、Future	可靠	期货，较久	量大	便宜
授权现货供应商	Mouser、Digikey、E14、RS、Verical	可靠	1-2周	小批量	较贵
BOM2BUY平台	SupplyFrame/EEFocus	可靠	1-2周	小批量	较贵
贸易商	华强北、中发市场	不可靠	快	小批量	便宜
淘宝		不可靠	快	小批量	便宜



全部 物料编号/关键字

有库存 RoHS

所有产品 > 半导体 > 放大器 IC > 特殊用途放大器 > Analog Devices AD604ARZ

看到错误?

AD604ARZ



放大

图像仅供参考
请参阅产品规格

共享

对比产品

Mouser编号:	584-AD604ARZ
制造商编号:	AD604ARZ
制造商:	Analog Devices
客户编号:	<input type="text"/>
说明:	特殊用途放大器 Dual Variable Gain AMP Ultra Low Noise
数据表:	AD604ARZ 数据表

添加至项目 | 添加注释:

规格

产品属性	属性值	搜索类似
制造商:	Analog Devices Inc.	<input type="checkbox"/>
产品种类:	特殊用途放大器	<input checked="" type="checkbox"/>
RoHS:	详细信息	
系列:	AD604	<input type="checkbox"/>
放大器类型:	VGA	<input type="checkbox"/>
通道数量:	2 Channel	<input type="checkbox"/>

有库存: 12

库存: 12 可立即发货

在订货物: 0

最少: 1 倍数: 1

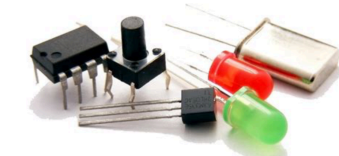
输入数量: [购买](#)

定价 (含16% 增值税)

数量	单价	总价
1	¥247.5208	¥247.52
5	¥239.1688	¥1,195.84
10	¥230.5616	¥2,305.62
25	¥219.5184	¥5,487.96
50	¥211.5608	¥10,578.04
100	¥200.274	¥20,027.40
250	¥185.136	¥46,284.00
500	¥175.0324	¥87,516.20
1,000	报价	

备用包装

制造商零件编号:	AD604ARZ-RL
包装:	Reel
供货情况:	无库存
单价 (含16%增值税):	¥168.4088
最小:	1000



全部型号

🛒 现货可买

🕒 等待询价

🚫 需要修正

总共 30 个型号
 现货可买 17 个型号 →
 等待询价 12 个型号 →
 需要修正 1 个型号 →

有价格信息 27 个型号
 预估成本 (基于需求量) ¥565.08

+ 型号 数量 添加型号

型号	需求量	可购买	需求制造商 匹配制造商	分销商	单价	操作	更多
1 C2012X7R0J106K125AB ■ 可替换型号(2) ■ 相似型号(10)	4	4	TDK Corporation of America 描述: X7R, 10UF, 6.3V, 0805 🚫 不含铅 🟢 RoHS认证	element14 Asia-Pacific 库存: 5 包装: *1 起订量: 1	¥3.5264	加入购物车	⋮
2 C2012X7R1A475K125AC ■ 可替换型号(1) ■ 相似型号(4)	10	10	TDK Corporation of America 描述: 多层陶瓷电容器MLCC - SMD/SMT 0805 10V 4.7uF X7R 10% ... 🚫 不含铅 🟢 RoHS认证	Mouser Electronics 库存: 57497 包装: *1 起订量: 1	¥1.4384	加入购物车	⋮
3 C0805C104K8RACTU ■ 相似型号(1)	3	0	KEMET Corporation 描述: CAP CER 0.1UF 10V X7R 0805 🚫 不含铅 🟢 RoHS认证	Digi-Key 库存: 0 包装: 带卷(TR) *4000 起订量: 4000	¥0.2262	立即询价	⋮
4 C2012X7R1A106K125AC ■ 相似型号(2)	6	6	TDK Corporation of America 描述: CAP CER 10UF 10V X7R 0805 🚫 不含铅 🟢 RoHS认证	Digi-Key 库存: 18989 包装: Digi-Reel® *1 起订量: 1	¥4.2900	立即询价	⋮
5 C2012X7R1C475K125AE ■ 可替换型号(1) ■ 相似型号(10)	1	0	TDK Corporation of America 描述: CAP CER 4.7UF 16V X7R 0805 🚫 不含铅 🟢 RoHS认证	Digi-Key 库存: 0 包装: 带卷(TR) *1 起订量: 2000		立即询价	⋮
6 CL21B106K0QNNNE ■ 相似型号(10)	1	1	Samsung Electro-Mechanics 描述: CAP CER 10UF 16V X7R 0805 🚫 不含铅 🟢 RoHS认证	Digi-Key 库存: 20000 包装: 剪切带(CT) *1 起订量: 1	¥2.2300	立即询价	⋮



N2510-6002RB

Connectors | Headers and Edge Type Connectors
 Board Connector, 10 Contact(s), 2 Row(s), Male, Straight, 0.1 inch Pitch, Solder [显示更多](#)

加入

BOM

选择制造商
 3M Interconnect

价格浮动
 \$0.7821 ~ \$4.0000

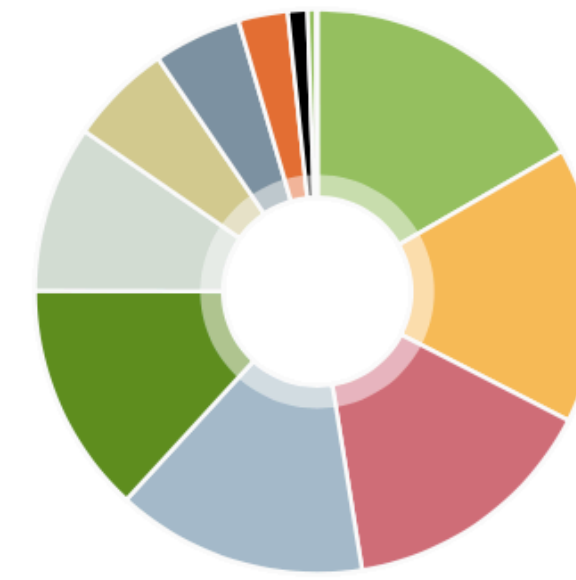


型号详情

制造商型号: N2510-6002-RB
 是否无铅: **Yes**
 是否RoHS认证: **Yes**
 生命周期: **Active**
 包装说明: ROHS COMPLIANT
 制造商: 3M Interconnect
 风险等级: 0.77
 辅助特征: 3M, LOW PROFILE

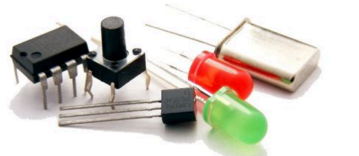
[显示更多](#)

分销商库存



市场总库存
 323,679

1. TTI	54,081	查看详情
2. Arrow Electronics	51,258	查看详情
3. Heilind Electronics	48,269	查看详情
4. Verical	46,470	查看详情
5. Interstate Connecting Components	42,840	查看详情
6. Chip1Stop	30,940	查看详情
7. Farnell element14	18,970	查看详情



Connectors全球排行

排行: **4,324**
共2,758,547 个型号
相比去年变化**0%**

全球热门型号

1. **C0603C104K5RACTU**
KEMET Corporation
2. **GRM155R71C104KA88D**
Murata Manufacturing Co Ltd
3. **2N7002LT1G**
ON Semiconductor
4. **C0805C104K5RACTU**
KEMET Corporation
5. **GRM188R71H104KA93D**
Murata Manufacturing Co Ltd
6. **06035C104KAT2A**
AVX Corporation
7. **08055C104KAT2A**
AVX Corporation
8. **C1005X7R1H104K050BB**
TDK Corporation of America
9. **2N7002-7-F**
Diodes Incorporated
10. **RC0603FR-0710KL**
YAGEO Corporation

Connectors 排行

排行: **769**
共183,198 个型号
相比去年变化**0%**

热门 Connectors

1. **500075-1517**
Molex
2. **0878321420**
Molex
3. **1054500101**
Molex
4. **U,FL-R-SMT-1(10)**
Hirose Electric Co Ltd
5. **5015**
Keystone Electronics Corp
6. **105450-0101**
Molex
7. **5015714007**
Molex
8. **Q-710**
Qualtek Electronics Corporation
9. **0878311420**
Molex
10. **10118194-0001LF**
Amphenol FCi

Headers and Edge Type Connectors 排行

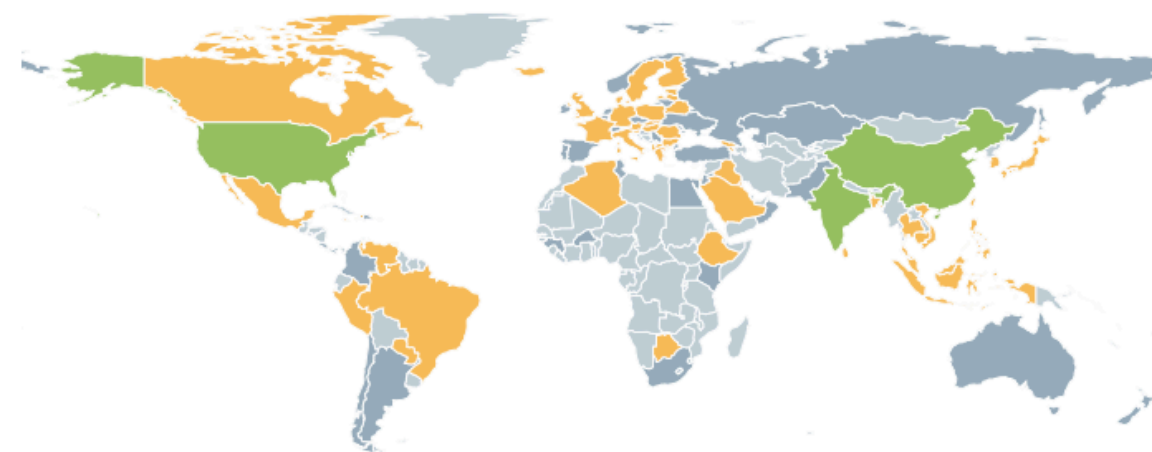
排行: **769**
共85,285 个型号
相比去年变化**+0.01%**

热门 Headers and Edge Type Connectors

1. **0878321420**
Molex
2. **5015714007**
Molex
3. **0878311420**
Molex
4. **FTSH-105-01-L-DV-K**
Samtec Inc
5. **5015680407**
Molex
6. **501568-1507**
Molex
7. **0022232031**
Molex
8. **XF2M-5015-1A**
OMRON Electronic Components LLC
9. **0532610471**
Molex
10. **5015680207**
Molex

区域热度

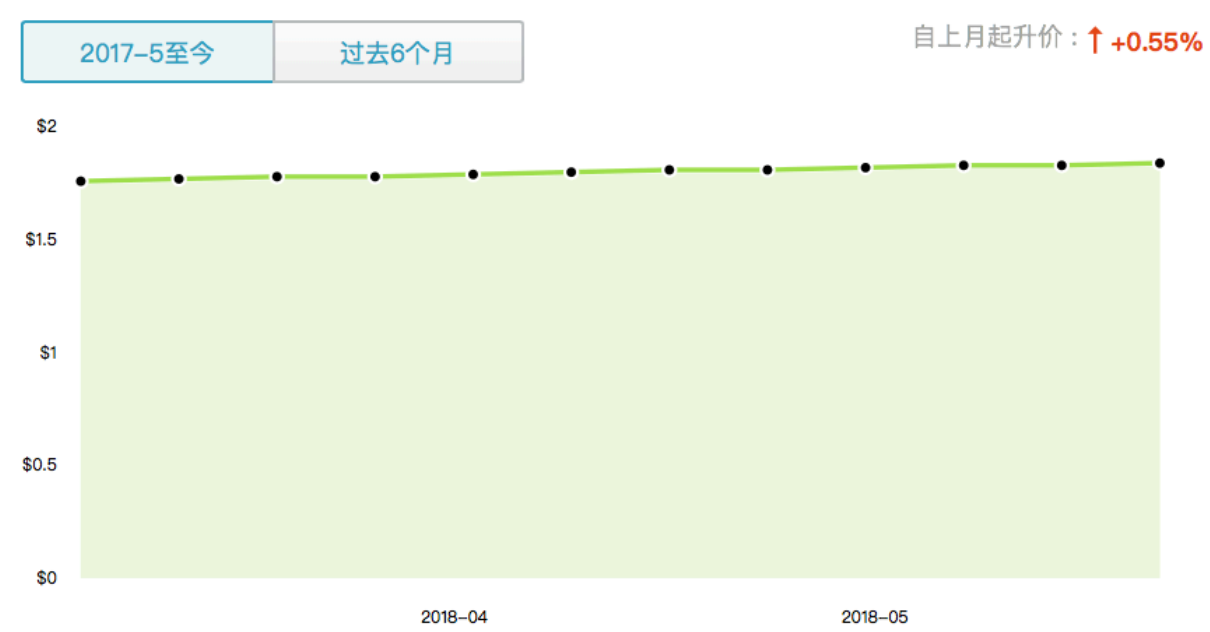
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|-----|-----|-----------------|
| 1. | 100 | United State... |
| 2. | 93 | China |
| 3. | 83 | India |
| 4. | 73 | Philippines |
| 5. | 71 | HKG, China |
| 6. | 64 | Austria |
| 7. | 64 | Iraq |
| 8. | 63 | Denmark |
| 9. | 63 | Slovakia |
| 10. | 61 | Venezuela |



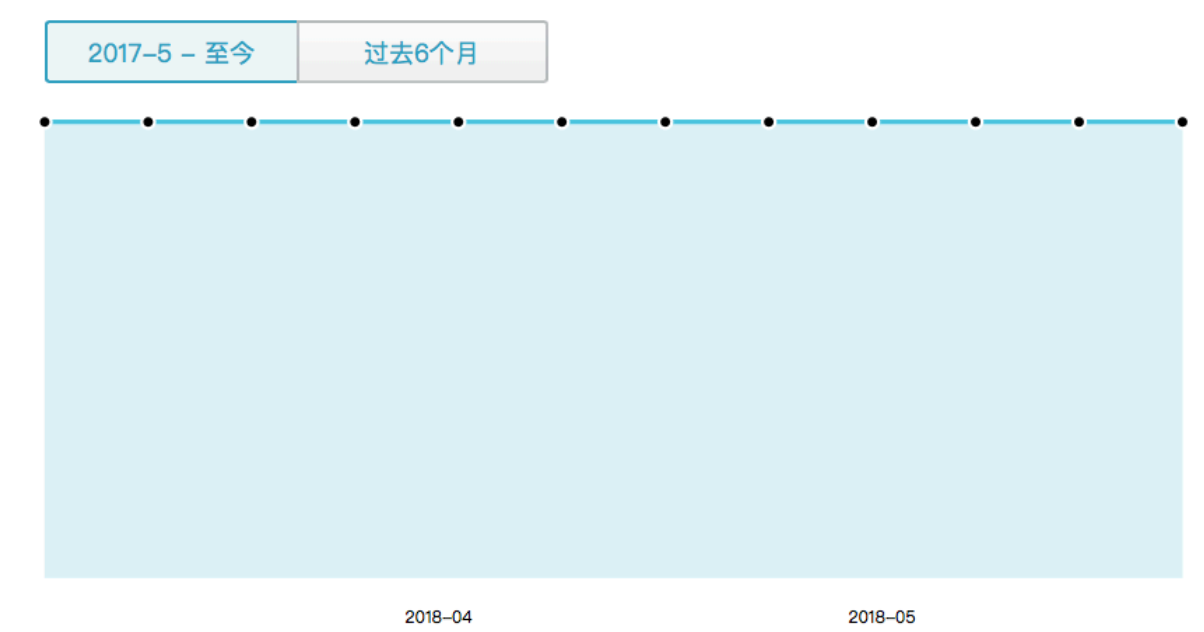
< 1 - 10 / 93 个国家 >

■ 非常高 ■ 较高 ■ 一般 ■ 较低

价格走势

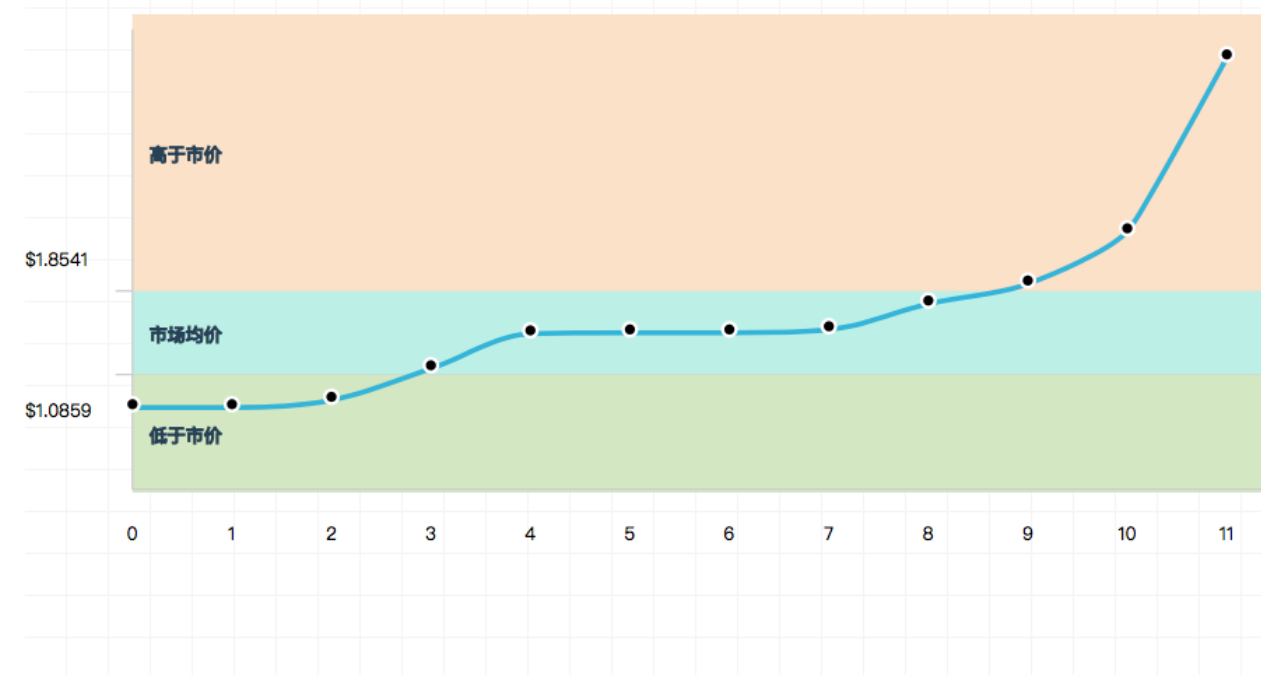


库存走势



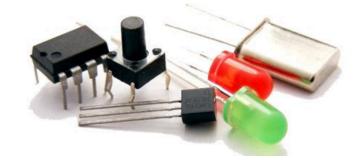
市场价格分析

数量: [修改](#)



- | | | | |
|-----|----------------------------------|----------|----------------------|
| 1. | Heilind Electronics | \$0.7821 | 查看详情 |
| 2. | Interstate Connecting Components | \$0.7821 | 查看详情 |
| 3. | Powell Electronics | \$0.8500 | 查看详情 |
| 4. | Farnell element14 | \$1.4685 | 查看详情 |
| 5. | Arrow Electronics | \$1.4613 | 查看详情 |
| 6. | Avnet | \$1.4700 | 查看详情 |
| 7. | Mouser Electronics | \$1.4700 | 查看详情 |
| 8. | Avnet | \$1.4990 | 查看详情 |
| 9. | element14 Asia-Pacific | \$1.7360 | 查看详情 |
| 10. | Quest Components | \$1.9200 | 查看详情 |

< 1 - 10 / 共12个分销商 >



关于贸泽电子 - www.mouser.cn

The screenshot shows the Mouser Electronics website interface. At the top, a blue banner features the slogan '在MOUSER 采购很EASY!' and three key benefits: '数百万产品 一站式购齐', '接受微信支付 付款更简单', and '上海客服 本土支持'. Below this is a navigation bar with the Mouser logo, 'MOUSER ELECTRONICS', and links for '产品', '制造商', '更多', '订单历史', '登录', '注册', and a shopping cart icon. A search bar is located below the navigation bar, with filters for '全部', '物料编号/关键字', '有库存', and 'RoHS'. The main content area includes a '产品类别' sidebar with categories like 'LED照明', '工业自动化', '工具与供应', '工程工具', '无源元件', '内存和数据存储器', '电线与电缆', '电路保护', and '电源'. The central banner promotes '额满免运费*' (Free shipping when order value reaches 175 yuan) and '关注贸泽微信 掌握最新资讯' (Follow Mouser WeChat for the latest news). At the bottom, there is a '最新产品' (New Products) section featuring logos for Texas Instruments, Infineon, Intel, and Molex.

- 与非网/摩尔吧多年合作伙伴
- 全球领先的电子元器件授权分销商
- 700家原厂/500万现货库存
- 小批量采购，170元免邮费
- 1-2周交货

