

COMPONENTS QUICK GUIDE

Connectors

Buzzers

Speakers

Microphones

Encoders



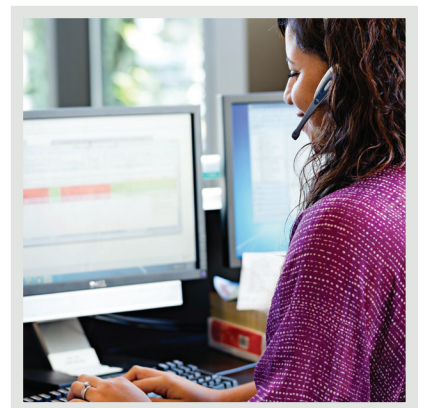


ELECTROMECHANICAL PRODUCTS FOR AN INTERCONNECTED WORLD

Today, accelerating technological advances are allowing individuals across the globe to connect like never before. At CUI, our mission is to provide you with the products and expertise needed to design the innovations of tomorrow. Incorporating our interconnect, sound and motion control products, CUI's Components line combines a strong distribution presence with a global network of engineering, manufacturing, and logistics resources to provide you with the necessary support when it is needed most. But most importantly, underpinning our organization is an unwavering commitment to your project's success. This commitment is why so many OEM's now rely on us as their trusted supplier in the electromechanical and power electronics space.

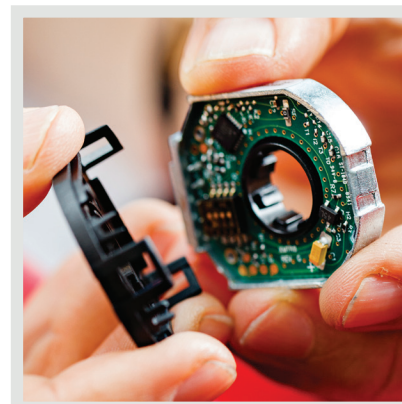
Supporting Innovation

At CUI we want to do everything we can to make your next project a success. That's why we have developed a set of online tools to help accelerate your design efforts, including a robust parametric search, fully qualified 3D models, and a comprehensive library of educational videos, white papers, and application notes. Of course, CUI's technical support team, and those of our representatives, are always available to help too. We never forget that our success depends on yours.



Quality Matters

As an ISO 9001:2008 company, we are committed to establishing, implementing, maintaining, and improving the processes necessary to consistently meet customer, statutory, and regulatory requirements. Understanding that failure is not an option for our customers, we start with an exhaustive product qualification process for all products that we release to the market, supported by a robust manufacturing management program. Additionally, we offer in-house failure analysis as well as on the ground quality engineering support in Asia.



Industry Expertise

Our diverse portfolio of electro-mechanical components addresses design challenges across a range of applications and markets. They are found in everything from consumer electronics such as GPS systems and video game consoles, to medical equipment such as blood glucose monitors and ultrasound machines. Here are some of the major industries that we serve:

- *Networking*
- *Industrial*
- *Medical*
- *Consumer Electronics*
- *Renewable Energy*
- *Security*



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Connectors

Audio, power, and signal connectors for any application

Our interconnect line aims to reduce the burden on the design engineer through a wide selection of mechanical configurations and easy access to support tools such as an advanced product search, detailed 3D models, and complete RoHS documentation.

Audio Connectors

Developed to carry audio signals in a range of portable applications, CUI's line of audio connectors is available in 2.5 mm and 3.5 mm versions with options that include shielding, low profile SMT packaging, and various color configurations.



SJ1-42514



SJ-3501-SMT

Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color			
										Black	Blue	Green	Pink

Through Hole

MJ-2506	2.5	Jack	Horizontal	12.5	9	8	2		1	●			
MJ-2506N	2.5	Jack	Horizontal	12.5	9	8	2		1	●			
MJ-2507N	2.5	Jack	Vertical	17.1	8	9.5	2		1	●			
MJ-2508	2.5	Jack	Horizontal	11.5	7.5	9	2		1	●			
MJ-2508N	2.5	Jack	Horizontal	11.5	7.5	9	2		1	●			
MJ-2509N	2.5	Jack	Horizontal	13	8.4	5	2		1	●			
MJ1-2502	2.5	Jack	Horizontal	15.8	7	9.5	2		1	●			
MJ1-2503A	2.5	Jack	Horizontal	10.8	5	5	2		0	●			
SJ-2504N	2.5	Jack	Horizontal	13	8.4	5	3		1	●			
SJ-2509N	2.5	Jack	Horizontal	13	8.4	5	3		0	●			
SJ1-2503A	2.5	Jack	Horizontal	10.8	5	5	3		0	●			
SJ1-42514	2.5	Jack	Horizontal	12	10	4	4		0	●			
SJ1-42515RS	2.5	Jack	Horizontal	12	10	4	4		1	●			
SJ1-42515TS	2.5	Jack	Horizontal	12	10	4	4		1	●			
SJ1-42516	2.5	Jack	Horizontal	12	10	4	4		2	●			
SJD1-3201-54	3.5/2.5	Jack	Horizontal	14.1	20	6	3		3	●			

Audio Connectors

Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color
										Black Blue Green Pink

Through Hole *continued*

MJ-3502	3.5	Jack	Horizontal	13.5	7.5	11.3	2		1	●
MJ-3502N	3.5	Jack	Horizontal	13.5	7.5	11.3	2		1	●
MJ-3507N	3.5	Jack	Vertical	10.5	9	13.6	2		1	●
MJ-3536	3.5	Jack	Horizontal	18.8	10	10	2		1	●
MJ-3536N	3.5	Jack	Horizontal	18.8	10	10	2		1	●
MJ-3536NG	3.5	Jack	Horizontal	18.8	10	10	2		1	●
SJ-3504	3.5	Jack	Horizontal	15.5	12	6	3		1	●
SJ-3505	3.5	Jack	Horizontal	15.5	12	6	3		2	●
SJ-3566AN	3.5	Jack	Horizontal	17	12	6	3		SPDT	●
SJ-3566BN	3.5	Jack	Horizontal	17	12	6	3		SPDT	●
SJ-3567AN	3.5	Jack	Horizontal	17	12	6	3		SPDT	●
SJ-3567BN	3.5	Jack	Horizontal	17	12	6	3		SPDT	●
SJ-3568N	3.5	Jack	Horizontal	17	12	6	3		SPDT	●
SJ-3570AN	3.5	Jack	Horizontal	20.7	12	6	3		DPDT	●
SJ-3570BN	3.5	Jack	Horizontal	20.7	12	6	3		DPDT	●
SJ-3571N	3.5	Jack	Horizontal	20.7	12	6	3		DPDT	●
SJ-3579AN	3.5	Jack	Horizontal	20.7	12	6	3		DPDT	●
SJ-3579BN	3.5	Jack	Horizontal	20.7	12	6	3		DPDT	●
SJ-3580ANG	3.5	Jack	Horizontal	21	12	10.5	3		DPDT	●
SJ-3580BNG	3.5	Jack	Horizontal	21	12	10.5	3		DPDT	●
SJ-3581NG	3.5	Jack	Horizontal	21	12	10.5	3		DPDT	●
SJ-3589ANG	3.5	Jack	Horizontal	21	12	10.5	3		DPDT	●
SJ-3589BNG	3.5	Jack	Horizontal	21	12	10.5	3		DPDT	●
SJ-3598	3.5	Jack	Horizontal	18	8.3	12.3	3		1	●
SJ1-3513	3.5	Jack	Horizontal	17.5	11.5	6	3		0	●
SJ1-3513N	3.5	Jack	Horizontal	17.5	11.5	6	3		0	●
SJ1-3514	3.5	Jack	Horizontal	17.5	11.5	6	3		1	●
SJ1-3514N	3.5	Jack	Horizontal	17.5	11.5	6	3		1	●
SJ1-3515	3.5	Jack	Horizontal	17.5	11.5	6	3		2	●

Audio Connectors										
Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color
										Black Blue Green Pink

Through Hole *continued*

SJ1-3515N	3.5	Jack	Horizontal	17.5	11.5	6	3		2	●
SJ1-3523N	3.5	Jack	Horizontal	14	12	6	3		0	●
SJ1-3523NG	3.5	Jack	Horizontal	14	12	6	3		0	●
SJ1-3524N	3.5	Jack	Horizontal	14	12	6	3		1	●
SJ1-3524NG	3.5	Jack	Horizontal	14	12	6	3		1	●
SJ1-3525N	3.5	Jack	Horizontal	14	12	6	3		2	●
SJ1-3525NG	3.5	Jack	Horizontal	14	12	6	3		2	● ● ● ●
SJ1-3533	3.5	Jack	Horizontal	18	8.2	12.3	3		0	●
SJ1-3533N	3.5	Jack	Horizontal	18	8.2	12.3	3		0	●
SJ1-3533NG	3.5	Jack	Horizontal	18	8	12.3	3		0	●
SJ1-3533NS	3.5	Jack	Horizontal	18.5	9.7	12.7	3	■	0	●
SJ1-3534	3.5	Jack	Horizontal	18	8.2	12.3	3		1	●
SJ1-3534N	3.5	Jack	Horizontal	18	8.2	12.3	3		1	●
SJ1-3534NG	3.5	Jack	Horizontal	18	8	12.3	3		1	●
SJ1-3534NS	3.5	Jack	Horizontal	18.5	9.7	12.7	3	■	1	●
SJ1-3535	3.5	Jack	Horizontal	18	8.2	12.3	3		2	●
SJ1-3535N	3.5	Jack	Horizontal	18	8.2	12.3	3		2	●
SJ1-3535NG	3.5	Jack	Horizontal	18	8	12.3	3		2	● ● ● ●
SJ1-3535NS	3.5	Jack	Horizontal	18.5	9.7	12.7	3	■	2	●
SJ1-3543	3.5	Jack	Horizontal	14	12	9	3		0	●
SJ1-3543N	3.5	Jack	Horizontal	14	12	10	3		0	●
SJ1-3544	3.5	Jack	Horizontal	14	12	9	3		1	●
SJ1-3544N	3.5	Jack	Horizontal	14	12	10	3		1	●
SJ1-3545	3.5	Jack	Horizontal	14	12	9	3		2	●
SJ1-3545N	3.5	Jack	Horizontal	14	12	10	3		2	●
SJ1-3553NG	3.5	Jack	Horizontal	14	12	10	3		0	●
SJ1-3554NG	3.5	Jack	Horizontal	14	12	10	3		1	●
SJ1-3555NG	3.5	Jack	Horizontal	14	12	10	3		2	● ● ● ●
SJ-435105	3.5	Jack	Horizontal	14	8.7	4.8	4		0	●

Audio Connectors

Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color
										Black Blue Green Pink

Through Hole *continued*

SJ-435107	3.5	Jack	Horizontal	15	10.8	7.3	4	■	0	●
SJ-435107RS	3.5	Jack	Horizontal	15	10.8	7.3	4	■	1	●
SJ-43514	3.5	Jack	Horizontal	14	10.2	6	4		0	●
SJ-43515TS	3.5	Jack	Horizontal	14	10.2	6	4		1	●

Surface Mount

MJ-2523-SMT	2.5	Jack	Horizontal	12	5	4.5	2		1	●
MJ1-2510-SMT	2.5	Jack	Horizontal	12	9	4	2		1	●
MJ1-2533-SMT	2.5	Jack	Horizontal	11.6	7.7	3	2		1	●
SJ-2523-SMT	2.5	Jack	Horizontal	13.5	5	4.5	3		0	●
SJ-2524-SMT	2.5	Jack	Horizontal	13.5	5	4.5	3		1	●
SJ1-2513-SMT	2.5	Jack	Horizontal	12	9	4	3		0	●
SJ1-2514-SMT	2.5	Jack	Horizontal	12	9	4	3		1	●
SJ1-2515-SMT	2.5	Jack	Horizontal	12	9	4	3		2	●
SJ1-2533-SMT	2.5	Jack	Horizontal	11.4	7.4	3	3		0	●
SJ1-2534-SMT	2.5	Jack	Horizontal	11.4	7.4	3	3		1	●
SJ1-2535-SMT	2.5	Jack	Horizontal	11.4	7.4	3	3		2	●
SJ1-42514-SMT	2.5	Jack	Horizontal	12	10	4	4		0	●
SJ1-42515RS-SMT	2.5	Jack	Horizontal	12	10	4	4		1	●
SJ1-42515TS-SMT	2.5	Jack	Horizontal	12	10	4	4		1	●
SJ1-42516-SMT	2.5	Jack	Horizontal	12	10	4	4		2	●
SJ1-42534-SMT	2.5	Jack	Horizontal	12	8	5	4		0	●
SJ1-42535RS-SMT	2.5	Jack	Horizontal	12	8	5	4		1	●
SJ1-42535TS-SMT	2.5	Jack	Horizontal	12	8	5	4		1	●
SJ1-42536-SMT	2.5	Jack	Horizontal	12	8	5	4		2	●
MJ-3523-SMT	3.5	Jack	Horizontal	17	6	5.1	2		1	●
MJ1-3510-SMT	3.5	Jack	Horizontal	15	9.5	5	2		1	●
SJ-3523-SMT	3.5	Jack	Horizontal	17	6	5	3		0	●
SJ-3524-SMT	3.5	Jack	Horizontal	17	6	5	3		1	● ● ● ●
SJ1-3513-SMT	3.5	Jack	Horizontal	15	9.5	5	3		0	●

Connectors

Audio Connectors										
Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color
										Black Blue Green Pink

Surface Mount *continued*

SJ1-3514-SMT	3.5	Jack	Horizontal	15	9.5	5	3		1	●
SJ1-3515-SMT	3.5	Jack	Horizontal	15	9.5	5	3		2	● ● ● ●
SJ-43514-SMT	3.5	Jack	Horizontal	17	6.7	5	4		0	●
SJ-43515RS-SMT	3.5	Jack	Horizontal	17	6.7	5	4		1	●
SJ-43515TS-SMT	3.5	Jack	Horizontal	17	6.7	5	4		1	●
SJ-43516-SMT	3.5	Jack	Horizontal	17	6.7	5	4		2	● ● ● ●
SJ-3501-SMT	3.5	Jack	Horizontal	14.5	7.2	5	3		0	●
SJ-3502-SMT	3.5	Jack	Horizontal	14.5	7.2	5	3	■	0	●
SJ-3503-SMT	3.5	Jack	Horizontal	14.5	7.2	5	3		2	●
SJ-3506-SMT	3.5	Jack	Horizontal	15.2	12.8	6	3	■	2	●
SJ-43504-SMT	3.5	Jack	Horizontal	14.6	7.5	5	4	■	2	●
SJ-43614-SMT	3.5	Jack	Horizontal	14	9.6	5.4	4		0	●
SJ-43615RS-SMT	3.5	Jack	Horizontal	14	9.6	5.4	4		0	●
SJ-43615TS-SMT	3.5	Jack	Horizontal	14	9.6	5.4	4		1	●
SJ-43616-SMT	3.5	Jack	Horizontal	14	9.6	5.4	4		1	●
SJ-43617-SMT	3.5	Jack	Horizontal	14	9.6	5.4	4		1	●

Panel Mount

MJ-2507	2.5	Jack	Vertical	17.1	8	9.5	2		1	●
SJ1-43502PM	3.5	Jack	Vertical	16.2	8	--	4		0	●
MJ-3507	3.5	Jack	Vertical	10.5	9	13.6	2		1	●

Cable Mount

MP3-2501	2.5	Plug	Vertical	45.8	9.1	--	2		0	●
MR-2501	2.5	Jack	Vertical	37	10.4	--	2		0	●
SP-2501	2.5	Plug	Vertical	45.8	8	--	3		0	●
SP-25401	2.5	Plug	Vertical	46.5	8	--	4		0	●
SR-2501	2.5	Jack	Vertical	52	11.3	--	3		0	●
MP3-3501	3.5	Plug	Vertical	52	11.3	--	2		0	●
MR-3501	3.5	Jack	Vertical	37	10.4	--	2		0	●

Audio Connectors

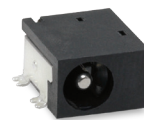
Model Number	Audio Standard [mm]	Connector Type	Orientation	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switches	Color
										Black Blue Green Pink

Cable Mount *continued*

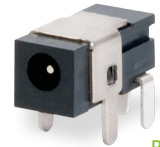
SP-3501	3.5	Plug	Vertical	45.8	8	--	3		0	●
SP-35401	3.5	Plug	Vertical	46.5	8	--	4		0	●
SR-3501	3.5	Jack	Vertical	37	10.4	--	3		0	●

Dc Power Connectors

With over 200 models across a wide range of mechanical configurations, CUI's line of dc power connectors are perfectly suited to supply dc power in consumer and mobile products.



PJ-018H-SMT



PJ1-023

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole

PJ1-022	0.65	2.8	Jack	Horizontal	1	12	5	5	2		1
PJ1-023	0.65	2.8	Jack	Horizontal	1	12	5.6	5.2	2	■	1
PJ-071	0.8	3.35	Jack	Horizontal	2	11	6	4.3	3	■	0
PJ-013C	1	4.2	Jack	Horizontal	3.5	11.4	5	7.4	2		1
PJ-014C	1	4.2	Jack	Horizontal	2.5	9	8.5	5.5	2		1
PJ-017C	1	3.8	Jack	Horizontal	2	14.5	9	11	2		1
PJ-017CH	1	3.8	Jack	Horizontal	3.5	14.5	9	11	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole *continued*

PJ-029C	1	--	Jack	Horizontal	2	11.4	5	7.2	2		1
PJ-029CH	1	--	Jack	Horizontal	3.5	11.4	5	7.2	2		1
PJ-030C	1	--	Jack	Horizontal	2	11.4	5	7.2	2		1
PJ-030CH	1	--	Jack	Horizontal	3.5	11.4	5	7.2	2		1
PJ-031C	1	4.2	Jack	Horizontal	2	11.4	5	7.4	2		1
PJ-031CH	1	4.2	Jack	Horizontal	3.5	11.4	5	7.4	2		1
PJ-035C	1	3.8	Jack	Horizontal	2	14.5	9	11	2		1
PJ-035CH	1	3.8	Jack	Horizontal	3.5	14.5	9	11	2		1
PJ-036C	1	3.8	Jack	Horizontal	2	9	6	5	2		1
PJ-036CH	1	3.8	Jack	Horizontal	3.5	9	6	5	2		1
PJ-040C	1	3.8	Jack	Horizontal	2	9	6	5	2		1
PJ-040CH	1	3.8	Jack	Horizontal	3.5	9	6	5	2		1
PJ-052C	1	3.8	Jack	Horizontal	2	9	7.2	5	2		1
PJ-053C	1	3.9	Jack	Horizontal	2	9.3	9	5.2	2		1
PJ-053CH	1	3.9	Jack	Horizontal	3.5	9.3	9	5.2	2		1
PJ-055C	1	3.8	Jack	Vertical	2	11	9	14.2	2		1
PJ-056	1	3.8	Jack	Horizontal	2	11	6.6	5.1	3	■	0
PJ-019	--	5.9	Jack	Horizontal	3	14.5	10	11.5	2		1
PJ-007	1.3	4.2	Jack	Horizontal	1	11.4	5	7.4	2		1
PJ-013D	1.3	4.2	Jack	Horizontal	2	11.4	5	7.4	2		1
PJ-014D	1.3	4.2	Jack	Horizontal	2.5	9	8.5	5.5	2		1
PJ-017D	1.3	3.8	Jack	Horizontal	2	14.5	9	11	2		1
PJ-017DH	1.3	3.8	Jack	Horizontal	3.5	14.5	9	11	2		1
PJ-029D	1.3	--	Jack	Horizontal	2	11.4	5	7.2	2		1
PJ-029DH	1.3	--	Jack	Horizontal	3.5	11.4	5	7.2	2		1
PJ-030D	1.3	--	Jack	Horizontal	2.5	11.4	5	7.2	2		1
PJ-030DH	1.3	--	Jack	Horizontal	3.5	11.4	5	7.2	2		1
PJ-031D	1.3	4.2	Jack	Horizontal	2	11.4	5	7.4	2		1
PJ-031DH	1.3	4.2	Jack	Horizontal	3.5	11.4	5	7.4	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole *continued*

PJ-035D	1.3	3.8	Jack	Horizontal	2	14.5	9	11	2		1
PJ-035DH	1.3	3.8	Jack	Horizontal	3.5	14.5	9	11	2		1
PJ-036D	1.3	3.8	Jack	Horizontal	2	9	6	5	2		1
PJ-036DH	1.3	3.8	Jack	Horizontal	3.5	9	6	5	2		1
PJ-040D	1.3	3.8	Jack	Horizontal	2	9	6	5	2		1
PJ-040DH	1.3	3.8	Jack	Horizontal	3.5	9	6	5	2		1
PJ-052D	1.3	3.8	Jack	Horizontal	2	9	7.2	5	2		1
PJ-053D	1.3	3.9	Jack	Horizontal	2	9.3	9	5.2	2		1
PJ-053DH	1.3	3.9	Jack	Horizontal	3.5	9.3	9	5.2	2		1
PJ-055D	1.3	3.8	Jack	Vertical	2	11	9	14.2	2		1
PJ-025	--	7	Jack	Horizontal	3	14.5	11	12.5	2		1
PJ-016	1.65	4.4	Jack	Horizontal	1	12.5	8	6	2		1
PJ-018	1.65	4.2	Jack	Horizontal	2	11.4	5	7.4	2		1
PJ-018H	1.65	4.2	Jack	Horizontal	3.5	11.4	5	7.4	2		1
PJ-041	1.65	5.15	Jack	Horizontal	2.5	12.5	9	6	2		1
PJ-041H	1.65	5.15	Jack	Horizontal	5	12.5	9	6	2		1
PJ-042	1.65	5.15	Jack	Horizontal	2.5	12.5	9	6	2		1
PJ-042H	1.65	5.15	Jack	Horizontal	5	12.5	9	6	2		1
PJ-043	1.65	4.4	Jack	Vertical	2.5	15.7	13	14	2		1
PJ-043H	1.65	4.4	Jack	Vertical	5	15.7	13	14	2		1
PJ-045	1.65	4.5	Jack	Horizontal	2.5	13	7.5	6	2	■	1
PJ-045H	1.65	4.5	Jack	Horizontal	5	13	7.5	6	2	■	1
PJ-046	1.65	5.15	Jack	Vertical	2.5	11	9	13	2		1
PJ-046H	1.65	5.15	Jack	Vertical	5	11	9	13	2		1
PJ-049	1.65	5.15	Jack	Vertical	2.5	15	9	14	2		0
PJ-054	1.65	4.4	Jack	Horizontal	2.5	9.3	8	5.2	2		1
PJ-054H	1.65	4.4	Jack	Horizontal	5	9.3	8	5.2	2	■	1
PJ-073	1.65	--	Jack	Horizontal	2.5	13	8	10.5	2		1
PJ1-021	1.65	5.15	Jack	Horizontal	5	13	9	11	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole *continued*

PJ-002A	2	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-002AH	2	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-003A	2	--	Jack	Horizontal	2.5	12.3	10.8	8.4	2		1
PJ-003AH	2	--	Jack	Horizontal	5	12.3	10.8	8.4	2		1
PJ-006A	2	6.3	Jack	Vertical	2	13.2	8.7	10.7	2		1
PJ-009A	2	6.6	Jack	Vertical	2.5	15.7	13	14	2		1
PJ-012A	2	6.6	Jack	Horizontal	2	11.5	11	8	2		1
PJ-028A	2	6.5	Jack	Vertical	2.5	22.5	9	11	2		1
PJ-028AH	2	6.5	Jack	Vertical	5	22.5	9	11	2		1
PJ-032A	2	6.5	Jack	Vertical	2.5	11	9	18	2		1
PJ-032AH	2	6.5	Jack	Vertical	5	11	9	18	2		1
PJ-033A	2	7	Jack	Vertical	2.5	13	12	15.5	2		1
PJ-034A	2	6.4	Jack	Vertical	2.5	12.2	10.2	18.5	2		1
PJ-037A	2	6.5	Jack	Horizontal	2.5	14.5	9	11	2		0
PJ-037AH	2	6.5	Jack	Horizontal	5	14.5	9	11	2		0
PJ-044A	2	6.5	Jack	Vertical	2.5	11	9	14.2	2		1
PJ-044AH	2	6.5	Jack	Vertical	5	11	9	14.2	2		1
PJ-047A	2	6	Jack	Horizontal	2.5	11.5	9.5	7	2	■	1
PJ-047AH	2	6	Jack	Horizontal	5	11.5	9.5	7	2	■	1
PJ-050A	2	6	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-050AH	2	6	Jack	Horizontal	5	14.4	9	11	2		1
PJ-051A	2	6	Jack	Horizontal	2.5	11.5	10.1	7.3	2	■	1
PJ-051AH	2	6	Jack	Horizontal	5	11.5	10.1	7.3	2	■	1
PJ-057A	2	6.3	Jack	Horizontal	2.5	14.5	9	11	2		1
PJ-057AH	2	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-058A	2	5.7	Jack	Horizontal	2.5	15.2	9	11	2		1
PJ-058AH	2	5.7	Jack	Horizontal	5	15.2	9	11	2		1
PJ-059A	2	5.7	Jack	Horizontal	2.5	15.2	9	11	2		1
PJ-059AH	2	5.7	Jack	Horizontal	5	15.2	9	11	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole *continued*

PJ-060A	2	6.3	Jack	Vertical	2	10.7	8.7	14	2		1
PJ-063AH	2	6.5	Jack	Horizontal	8	13	10	9	2	■	0
PJ-102A	2	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-102AH	2	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-202A	2	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-202AH	2	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-002B	2.5	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-002BH	2.5	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-003B	2.5	--	Jack	Horizontal	2.5	12.3	10.8	8.4	2		1
PJ-003BH	2.5	--	Jack	Horizontal	5	12.3	10.8	8.4	2		1
PJ-006B	2.5	6.3	Jack	Vertical	2	13.2	8.7	10.7	2		1
PJ-012B	2.5	6.6	Jack	Horizontal	2	11.5	11	8	2		1
PJ-028B	2.5	6.5	Jack	Vertical	2.5	22.5	9	11	2		1
PJ-028BH	2.5	6.5	Jack	Vertical	5	22.5	9	11	2		1
PJ-032B	2.5	6.5	Jack	Vertical	2.5	11	9	18	2		1
PJ-032BH	2.5	6.5	Jack	Vertical	5	11	9	18	2		1
PJ-033B	2.5	6.1	Jack	Vertical	2.5	13	12	15.5	2		1
PJ-034B	2.5	6.4	Jack	Vertical	2.5	12.2	10.2	18.5	2		1
PJ-037B	2.5	6.5	Jack	Horizontal	2.5	14.5	9	11	2		0
PJ-037BH	2.5	6.5	Jack	Horizontal	5	14.5	9	11	2		0
PJ-044B	2.5	6.5	Jack	Vertical	2.5	11	9	14.2	2		1
PJ-044BH	2.5	6.5	Jack	Vertical	5	11	9	14.2	2		1
PJ-047B	2.5	6	Jack	Horizontal	2.5	11.5	9.5	7	2	■	1
PJ-047BH	2.5	6	Jack	Horizontal	5	11.5	9.5	7	2	■	1
PJ-050B	2.5	6	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-050BH	2.5	6	Jack	Horizontal	5	14.4	9	11	2		1
PJ-051B	2.5	6	Jack	Horizontal	2.5	11.5	10.1	7.3	2	■	1
PJ-051BH	2.5	6	Jack	Horizontal	5	11.5	10.1	7.3	2	■	1
PJ-057B	2.5	6.3	Jack	Horizontal	2.5	14.5	9	11	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Through Hole *continued*

PJ-057BH	2.5	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-058B	2.5	5.7	Jack	Horizontal	2.5	15.2	9	11	2		1
PJ-058BH	2.5	5.7	Jack	Horizontal	5	15.2	9	11	2		1
PJ-059B	2.5	5.7	Jack	Horizontal	2.5	15.2	9	11	2		1
PJ-059BH	2.5	5.7	Jack	Horizontal	5	15.2	9	11	2		1
PJ-060B	2.5	6.3	Jack	Vertical	2	10.7	8.7	14	2		1
PJ-063BH	2.5	6.5	Jack	Horizontal	8	13	10	9	2	■	0
PJ-080BH	2.5	6.4	Jack	Horizontal	10	15.4	12.4	13.4	2	■	0
PJ-082BH	2.5	6.5	Jack	Horizontal	10	13	10	10	2	■	0
PJ-102B	2.5	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-102BH	2.5	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-202B	2.5	6.5	Jack	Horizontal	2.5	14.4	9	11	2		1
PJ-202BH	2.5	6.5	Jack	Horizontal	5	14.4	9	11	2		1
PJ-048H	3	7.3	Jack	Horizontal	5	14.5	1.4	12.6	2		1
PD-30	--	--	Power DIN	Horizontal	7.5	17	14.9	14	3		0
PD-30S	--	--	Power DIN	Horizontal	7.5	17.4	16	14.4	3	■	0
PD-40	--	--	Power DIN	Horizontal	7.5	17	14.9	14	4		0
PD-40S	--	--	Power DIN	Horizontal	7.5	17.4	16	14.4	4	■	0
PD-40V	--	--	Power DIN	Vertical	7.5	15.7	14.9	14.9	4		0
PD-40VS	--	--	Power DIN	Vertical	7.5	15.5	15.6	16.2	4	■	0

Surface Mount

PJ-031H-SMT	0.65	2.8	Jack	Horizontal	2.5	12	5	2.5	2		1
PJ-032H-SMT	0.65	2.8	Jack	Horizontal	2.5	12	5.6	2.5	2	■	1
PJ-034-SMT	0.65	2.8	Jack	Horizontal	1	9	6.5	1	2		1
PJ-038-SMT	0.65	2.6	Jack	Horizontal	1	9.5	5	3	2	■	0
PJ-039-SMT	0.65	2.6	Jack	Horizontal	1	9.5	5	3	2	■	0
PJ-040-SMT	0.65	2.6	Jack	Horizontal	1	9.5	5	3	2		0
PJ-041-SMT	0.65	2.6	Jack	Horizontal	1	9.5	5	3	2		0
PJ-042-SMT	0.65	2.6	Jack	Horizontal	1	8.8	5.2	3.2	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
Surface Mount <i>continued</i>											
PJ1-022-SMT	0.65	2.8	Jack	Horizontal	2.5	12	5	5	2		1
PJ1-023-SMT	0.65	2.8	Jack	Horizontal	2.5	12	5.6	5.2	2	■	1
PJ-028-SMT	0.8	3.35	Jack	Horizontal	2.5	11	6	4.3	2	■	0
PJ-029-SMT	0.8	3.35	Jack	Horizontal	2.5	11	6	4.3	3	■	0
PJ-074-SMT	0.8	3.35	Jack	Horizontal	2	9.5	6	4.4	3	■	0
PJ-014CH-SMT	1	3.9	Jack	Horizontal	5	9.3	8	5.2	2		1
PJ-030CH-SMT	1	4.2	Jack	Horizontal	3.5	11.4	7.5	5.5	2	■	1
PJ-035-SMT	1	3.8	Jack	Horizontal	2	11	6.6	5.1	3	■	0
PJ-043-SMT	1	3.2	Jack	Horizontal	2	10.5	6	4.6	2	■	1
PJ-072C-SMT	1	3.6	Jack	Horizontal	2	10.4	5.7	4.5	2	■	0
PJ-075CH-SMT	1	3.4	Jack	Horizontal	3.5	9	6	4.8	1	■	1
PJ-030DH-SMT	1.3	4.2	Jack	Horizontal	3.5	11.4	7.5	5.5	2	■	1
PJ-014DH-SMT	1.3	3.9	Jack	Horizontal	5	9.3	8	5.2	2		1
PJ-075DH-SMT	1.3	3.4	Jack	Horizontal	3.5	9	6	4.8	1		1
PJ-018H-SMT	1.65	4.4	Jack	Horizontal	5	9.3	8	5.2	2	■	1
PJ1-021-SMT	1.65	5.15	Jack	Horizontal	5	12.5	9	6	2		1
PJ-002AH-SMT	2	6.5	Jack	Horizontal	5	14.5	9	11	2		1
PJ-006A-SMT	2	6.3	Jack	Vertical	2.5	14.1	9	10.9	2		1
PJ-015AH-SMT	2	6.6	Jack	Vertical	5	14.6	13	15.7	2		1
PJ-015BH-SMT	2	6.6	Jack	Vertical	5	14.6	13	15.7	2		1
PJ-036AH-SMT	2	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-037AH-SMT	2	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-070AH-SMT	2	6.3	Jack	Vertical	5	13.2	14.27	10.9	2		1
PJ-002BH-SMT	2.5	6.5	Jack	Horizontal	5	14.5	9	11	2		1
PJ-006B-SMT	2.5	6.3	Jack	Vertical	2.5	14.1	9	10.9	2		1
PJ-036BH-SMT	2.5	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-037BH-SMT	2.5	6.3	Jack	Horizontal	5	14.5	9	11	2		1
PJ-070BH-SMT	2.5	6.3	Jack	Vertical	5	13.2	14.27	10.9	2		1

Dc Power Connectors											
Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
Mid Mount SMT											
PJ-068B-SMT	2.5	5.5	Jack	Horizontal	5	11.8	10	9.1	2	■	1
PJ-069B-SMT	2.5	5.5	Jack	Horizontal	5	11.8	10	9.1	2	■	1
Cable Mount											
PP-012	0.7	--	Plug	Vertical	3	43.5	8.8	--	2		0
PP-017	0.9	--	Plug	Vertical	4	43.5	8	--	2		0
PP-015	1	--	Plug	Vertical	6	43.5	8	--	2		0
PP-018	1.1	--	Plug	Vertical	3	43.5	8	--	3		0
PP-019	1.1	--	Plug	Vertical	4	43.5	8	--	2		0
PP3-002C	1.1	--	Plug	Vertical	4	34	8	--	2		0
PP3-002D	1.35	--	Plug	Vertical	4	34	8	--	2		0
PP-016	1.4	--	Plug	Vertical	7	43.5	8	--	2		0
PP-013	1.7	--	Plug	Vertical	5	43.5	8	--	2		0
PP-014	1.7	--	Plug	Vertical	6	43.5	8	--	2		0
PR-002A	2	5.5	Jack	Vertical	4	34	8	--	2		0
PP3-002A	2.1	--	Plug	Vertical	5	34	7.8	--	2		0
PP3-002AH	2.1	--	Plug	Vertical	8	34	7.8	--	2		0
PR-002B	2.35	5.5	Jack	Vertical	4	34	8	--	2		0
PP3-002B	2.5	--	Plug	Vertical	5	34	7.8	--	2		0
PP3-002BH	2.5	--	Plug	Vertical	8	34	7.8	--	2		0
PDP-30	--	--	Plug	Vertical	7.5	50	14	--	3		0
PDP-40	--	--	Plug	Vertical	7.5	50	14	--	4		0
Panel Mount											
PJ-005A	2	5.7	Jack	Vertical	2	17.9	10	--	2		1
PJ-008A	2	5.7	Jack	Horizontal	2.5	15.5	12.2	8.8	2		1
PJ-009AH	2	6.6	Jack	Vertical	5	15.7	13	14	2		1
PJ-010A	2	6.4	Jack	Vertical	2.5	20	9	11.9	2		1
PJ-010AH	2	6.4	Jack	Vertical	5	20	9	11.9	2		1
PJ-011A	2	6	Jack	Vertical	2	13	15.8	13	2		1

Dc Power Connectors

Model Number	Center Pin Diameter [mm]	Outer Hole Diameter [mm]	Connector Type	Orientation	Current Rating [A]	Length [mm]	Width [mm]	Height [mm]	Number of Conductors	Shielding	Internal Switch
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Panel Mount *continued*

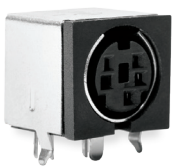
PJ-026A	2	6	Jack	Horizontal	2.5	12.7	11	12.5	2		1
PJ-038A	2	6.4	Jack	Vertical	2.5	20	8.8	13.6	2		1
PJ-038AH	2	6.4	Jack	Vertical	5	20	8.8	13.6	2		1
PJ-039A	2	6.4	Jack	Vertical	2.5	23	9	13.6	2		1
PJ-039AH	2	6.4	Jack	Vertical	5	23	9	13.6	2		1
PJ-064A	2	5.5	Jack	Vertical	5	20.1	11	--	2		1
PJ-065A	2	5.5	Jack	Vertical	5	23.2	11	--	2		1
PJ-066A	2	5.5	Jack	Horizontal	5	16.1	11	--	2		1
PJ-067A	2	5.5	Jack	Horizontal	5	16.1	11	--	2		1
PJ-005B	2.5	5.7	Jack	Vertical	2	17.9	10	11	2		1
PJ-008B	2.5	5.7	Jack	Horizontal	2.5	15.5	12.2	8.8	2		1
PJ-009B	2.5	6.6	Jack	Vertical	2.5	15.7	13	14	2		1
PJ-009BH	2.5	6.6	Jack	Vertical	5	15.7	13	14	2		1
PJ-010B	2.5	6.4	Jack	Vertical	2.5	20	9	11.9	2		1
PJ-010BH	2.5	6.4	Jack	Vertical	5	20	9	11.9	2		1
PJ-011B	2.5	6	Jack	Vertical	2	13	15.8	13	2		1
PJ-026B	2.5	6	Jack	Horizontal	2.5	12.7	11	12.5	2		1
PJ-038B	2.5	6.4	Jack	Vertical	2.5	20	8.8	13.6	2		1
PJ-038BH	2.5	6.4	Jack	Vertical	5	20	8.8	13.6	2		1
PJ-039B	2.5	6.4	Jack	Vertical	2.5	23	9	13.6	2		1
PJ-039BH	2.5	6.4	Jack	Vertical	5	23	9	13.6	2		1
PJ-064B	2.5	5.5	Jack	Vertical	5	20.1	11	--	2		1
PJ-065B	2.5	5.5	Jack	Vertical	5	23.2	11	--	2		1
PJ-066B	2.5	5.5	Jack	Horizontal	5	16.1	11	--	2		1
PJ-067B	2.5	5.5	Jack	Horizontal	5	16.1	11	--	2		1

Spring Tab

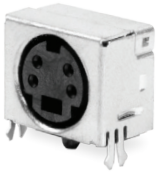
PJ-077	0.5	2.1	Jack	Horizontal	1	7.6	5.2	3.5	2		0
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DIN Connectors

CUI's range of DIN connectors in mini and standard formats are available with various pin configurations and options that include shielding to reduce noise and locking versions for challenging environments.



MD-40SMK



MD2-40ST-SMT

Model Number	DIN Standard	Connector Type	Orientation	Number of Contacts	Pin Type	Shielding	Voltage Rating [Vac]	Current Rating [A]
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Through Hole

MD-XXFC Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
MD-XXSF Series	Mini	Jack	Horizontal	3, 4, 5, 6, 8	Straight	■	100	1
MD-XXSFK Series	Mini	Jack	Horizontal	3, 4, 5, 6, 8	Kinked	■	100	1
MD-XXSG Series	Mini	Jack	Horizontal	3, 4, 5, 6, 8	Straight	■	100	1
MD-XXSGK Series	Mini	Jack	Horizontal	3, 4, 5, 6, 8	Kinked	■	100	1
MD-XXS Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8, 9	Straight		100	1
MD-XXSS Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight		100	1
MD-XXSKS Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Kinked	■	100	1
MD-XXSM Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8, 9	Straight	■	100	1
MD-XXSMK Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Kinked	■	100	1
MD-XXSMS Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
MD-XXSMW Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
MD-XXSSW Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
MD2-XXST Series	Mini	Jack	Horizontal	4, 6	Straight	■	100	1
MD-XXSV Series	Mini	Jack	Vertical	3, 4, 5, 6, 8	Straight		100	1
MD-XXSMW Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
MD-XXSSW Series	Mini	Jack	Horizontal	3, 4, 5, 6, 7, 8	Straight	■	100	1
SDS-XXJ Series	Standard	Jack	Horizontal	3, 4, 5, 6, 7, 8, 13	Straight		100	1
SDF-XXJ Series	Standard	Jack	Horizontal	3, 4, 5, 6, 7, 8, 13	Straight	■	100	1
SD-XXBV Series	Standard	Jack	Vertical	3, 5, 6, 7, 8	Straight	■	100	0.3

DIN Connectors

Model Number	DIN Standard	Connector Type	Orientation	Number of Contacts	Pin Type	Shielding	Voltage Rating [V _{ac}]	Current Rating [A]
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Surface Mount

MD2-XXST-SMT Series	Mini	Jack	Horizontal	4, 6	Straight	■	100	1
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Cable Mount

MD-XX Series	Mini	Plug	Vertical	3, 4, 5, 6, 7, 8, 9	--		100	1
MD-XXJ Series	Mini	Jack	Vertical	3, 4, 5, 6, 7, 8, 9	--		100	1
SD-XX Series	Standard	Plug	Vertical	3, 4, 5, 6, 7, 8, 13	--		100	1
SD-XXJ Series	Standard	Jack	Vertical	3, 4, 5, 6, 7, 8, 13	--		100	2
SD-XXLP Series	Standard	Locking Plug	Vertical	3, 4, 5, 6, 7, 8	--	■	100	2
SDR-XX Series	Standard	Plug	Horizontal	3, 5, 6, 7, 8	--		100	1

Panel Mount

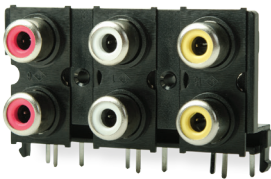
MD-XXCV Series	Mini	Jack	Vertical	3, 4, 5, 6, 8	--		100	1
MD-XXPL100 Series	Mini	Jack	Vertical	3, 4, 5, 6, 8	--		100	1
MD-XXSN Series	Mini	Jack	Vertical	3, 4, 5, 6, 7, 8, 9	--	■	100	1
MD-XXSP Series	Mini	Jack	Vertical	3, 4, 5, 6, 7, 8	--		100	1
SD-XXLS Series	Standard	Locking Jack	Vertical	3, 4, 5, 6, 7, 8	--	■	100	2
SD-XXSN Series	Standard	Jack	Vertical	3, 4, 5, 6, 7, 8	--	■	100	2

RCA Connectors

Designed to reliably transmit audio and video signals, CUI's RCA connector line is available in configurations ranging from 1~6 ports with multiple color options.



RCJ-05 Series



RCJ-61 Series

Model Number	Connector Type	Orientation	Shielding	Color Insulator Options						Number of Ports
				Black	Blue	Green	Orange	Red	White	Yellow

Through Hole

RCJ-01 Series	Jack	Horizontal	■	●	●	●	●	●	○	●	1
RCJ-02 Series	Jack	Vertical	■	●	●	●	●	●	○	●	1
RCJ-04 Series	Jack	Horizontal		●	●	●	●	●	○	●	1
RCJ-05 Series	Jack	Vertical		●	●	●	●	●	○	●	1
RCJ-21 Series	Jack	Horizontal		●	●	●	●	●	○	●	2
RCJ-22 Series	Jack	Horizontal		●	●	●	●	●	○	●	2
RCJ-32 Series	Jack	Horizontal		●	●	●	●	●	○	●	3
RCJ-41 Series	Jack	Horizontal		●	●	●	●	●	○	●	4
RCJ-61 Series	Jack	Horizontal		●	●	●	●	●	○	●	6

Surface Mount

RCJ-01-SMT Series	Jack	Horizontal	■	●			●	●	○	●	1
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Cable Mount

RCP-01 Series	Plug	Vertical		●	●	●		●	○	●	--
RCP-02 Series	Plug	Vertical		●	●	●		●	○	●	--

Panel Mount

RCJ-03 Series	Jack	Vertical	■	●	●	●	●	●	○	●	1
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Buzzers

Audio alerts for a range of environments

Our comprehensive line of magnetic and piezo buzzers are used across many major industries as a means for audible identification or alert. From extremely compact 5 mm SMT buzzers to larger, high decibel and waterproof models, this product family is well suited to address the needs of the most challenging audio alert applications.

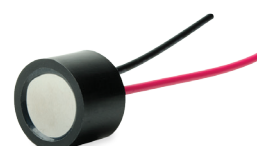
Indicators - with Driving Circuit



CT-1205C-SMT



CEP-2242



CPE-243

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Rated Frequency [Hz]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
										Through Hole	Surface Mount	Wire Leads	Panel Mount	

Waterproof

CPE-244	12 Vdc	80	35	5000	-30 ~ 85	14	--	--	9.5	■				
CPE-243	12 Vdc	80	35	5000	-30 ~ 85	14	--	--	9.5			■		
CPE-267	12 Vdc	85	35	2800	-30 ~ 80	25	--	--	16				■	

Piezo

CEP-2242	12 Vdc	70	7	4100	-20 ~ 70	13.7	--	--	7.6	■				■
CPE-522	12 Vdc	75	10	3200	-30 ~ 115	--	24	10	25	■				
CEP-2224	12 Vdc	78	15	3400	-30 ~ 85	24	--	--	9	■				
CPE-223	12 Vdc	81	13	3300	-20 ~ 85	23.8	--	--	12.2	■				
CPE-3085	12 Vdc	82	7	3600	-20 ~ 60	29.5	--	--	10	■				
CPE-2883	12 Vdc	83	8	3000	-30 ~ 85	38.5	--	--	7.5	■				
CEP-2202A	12 Vdc	85	11	3000	-30 ~ 85	24.2	--	--	16	■				
CEP-2202AS	12 Vdc	85	11	3000	-30 ~ 85	24.2	--	--	16	■				■
CPE-222H	12 Vdc	85	10	3200	-30 ~ 85	23.3	--	--	10.2	■				
CPE-232H	12 Vdc	85	10	3200	-30 ~ 85	23.3	--	--	10.2	■				

Buzzers

Indicators - with Driving Circuit

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Rated Frequency [Hz]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
										Through Hole	Surface Mount	Wire Leads	Panel Mount	

Piezo *continued*

CPE-203	12 Vdc	86	9	3400	-30 ~ 85	24.5	--	--	16	■				
CPE-253	12 Vdc	87	6	3500	-30 ~ 85	28	--	--	25.4	■				
CPE-352	12 Vdc	89	10	2800	-30 ~ 85	42	--	--	14	■				
CEP-2272A	12 Vdc	93	10	3500	-30 ~ 85	31.3	--	--	16	■				
CPE-276H	12 Vdc	96	11	3000	-30 ~ 80	32	--	--	14.7	■				
CPE-503	12 Vp-p	72	7	3200	-30 ~ 115	--	25	24	10	■				
CEP-1123	12 Vp-p	74	7	3200	-30 ~ 85	23.5	--	--	10	■				
CMI-1240-SMT	12 Vdc	83	8	4000	-30 ~ 70	--	16.9	16.9	7.8		■			■
CPE-757	9 Vdc	82	9	3600	-30 ~ 80	36.5	--	--	23.5				■	
CPE-200	12 Vdc	73	14	3100	-30 ~ 85	23.8	--	--	14.5				■	
CPE-220	12 Vdc	76	10	2700	-30 ~ 85	24	--	--	8.3				■	
CPE-751	12 Vdc	76	9	3600	-30 ~ 80	36.5	--	--	23.5				■	
CPE-750	12 Vdc	80	8	3600	-30 ~ 85	36.5	--	--	23.5				■	
CPE-750P	12 Vdc	80	7	3600	-30 ~ 85	36.5	--	--	23.5				■	
CPE-351	12 Vdc	81	6	2800	-30 ~ 85	41.8	--	--	16				■	
CPE-353	12 Vdc	81	8	2800	-30 ~ 85	41.8	--	--	16				■	
CPE-251	12 Vdc	82	5	3500	-30 ~ 85	28	--	--	25.4				■	
CPE-753	12 Vdc	82	10	3600	-30 ~ 85	36.5	--	--	23.5				■	
CEP-2250	12 Vdc	85	6	3500	-30 ~ 85	28	--	--	25.4				■	
CPE-350	12 Vdc	85	7	2800	-30 ~ 85	41.8	--	--	16				■	
CPE-755	12 Vdc	85	7	3600	-30 ~ 85	36.5	--	--	23.5				■	
CPE-755P	12 Vdc	85	8	3600	-30 ~ 80	36.5	--	--	23.5				■	
CPE-755S	12 Vdc	85	8	3600	-30 ~ 80	36.5	--	--	23.5				■	
CPE-270	12 Vdc	86	5	3500	-30 ~ 85	33.7	--	--	14.5				■	
CEP-2280	12 Vdc	88	17	2500	-20 ~ 60	32	--	--	23				■	

Indicators - with Driving Circuit

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Rated Frequency [Hz]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
										Through Hole	Surface Mount	Wire Leads	Panel Mount	

Piezo *continued*

CPE-353A	12 Vdc	88	10	2800	-30 ~ 85	41.8	--	--	16				■	
CPE-400AC	12 Vac	89	8	3100	-30 ~ 85	41.8	--	--	22				■	
CPE-460	12 Vdc	89	70	300	-20 ~ 60	41.8	--	--	22				■	
CPE-260H	12 Vdc	92	12	3500	-30 ~ 85	32	--	--	13.5				■	
CPE-350A	12 Vdc	92	12	2800	-30 ~ 85	41.8	--	--	16				■	
CEP-2260A	12 Vdc	93	10	3500	-30 ~ 85	32	--	--	13.5				■	
CPE-270H	12 Vdc	96	12	3500	-30 ~ 85	33.7	--	--	14.5				■	
CPE-750PA	12 Vdc	98	20	3600	-30 ~ 80	36.5	--	--	26.5				■	
CPE-960	12 Vdc	100	58	2500	-30 ~ 80	50	--	--	37.5				■	
CPE-420	12 Vdc	102	40	2800	-30 ~ 85	41.8	--	--	22				■	
CEP-4411AC	110 Vac	88	7	2800	-20 ~ 60	41.8	--	--	22				■	
CPE-422AC	220 Vac	92	13	3000	-30 ~ 85	41.8	--	--	22				■	
CEP-1173	12 Vp-p	82	7	3300	-30 ~ 80	32	--	--	13.5				■	

Magnetic

CX-0905C	5 Vdc	80	35	2730	-30 ~ 70	9.6	--	--	5	■				■
CEM-1205C	5 Vdc	83	7	2300	-20 ~ 60	12	--	--	9.5	■				■
CEM-1212C	12 Vdc	85	35	2300	-20 ~ 60	12	--	--	9.5	■				■
CX-1606C	6 Vdc	85	50	2200	-20 ~ 60	16	--	--	14	■				■
CX-1612C	12 Vdc	85	35	2200	-20 ~ 60	16	--	--	14	■				■
CT-1212CL-SMT	12 Vdc	85	30	2400	-30 ~ 70	--	12.8	12.8	7.1		■			■
CT-1205CL-SMT	5 Vdc	88	30	2400	-30 ~ 70	--	12.8	12.8	7.1		■			■
CT-1205C-SMT	5 Vdc	90	30	2400	-30 ~ 70	--	12.8	12.8	10		■			■

Buzzers

Transducers - without Driving Circuit



CSS-95B30-SMT



CMT-1603-SMT



CST-911RPAW

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
									Through Hole	Surface Mount	Wire Leads	Panel Mount	

Piezo*

CPE-171	30 Vp-p	75	4	-30 ~ 85	9	--	--	8	■				■
CEP-1162	20 Vp-p	80	7	-20 ~ 85	17	--	--	7	■				
CPE-164	20 Vp-p	80	10	-20 ~ 70	13.7	--	--	7.6	■				■
CEP-1153	30 Vp-p	82	7	-30 ~ 105	17	--	--	7.6	■				
CPE-1785	20 Vp-p	85	8	-30 ~ 80	17	--	--	7	■				
CEP-1106	30 Vp-p	88	18	-30 ~ 85	22.8	--	--	13.5	■				
CEP-1116	30 Vp-p	90	8	-30 ~ 85	30	--	--	10	■				
CEP-1130	30 Vp-p	90	10	-30 ~ 80	30	--	--	7.5	■				
CPE-122	30 Vp-p	90	8	-30 ~ 85	24	--	--	6.7	■				
CEP-1112	30 Vp-p	92	11	-30 ~ 85	24	--	--	7.3	■				
CEP-1114	30 Vp-p	93	11	-30 ~ 80	30	--	--	13.5	■				
CPE-502	30 Vp-p	93	10	-30 ~ 115	--	25	24	10	■				
CPE-4485	100 Vp-p	100		-40 ~ 105	48.8	--	--	13.6	■				
CMT-1102-SMT	25 Vp-p	68	4.5	-40 ~ 80	--	11	9	1.7		■			
CMT-1303-SMT	25 Vp-p	70	5	-20 ~ 70	--	12.8	12.8	2.5		■			
CMT-1603-SMT	25 Vp-p	70	3	-30 ~ 70	--	16	16	2.6		■			
CMT-1075-SMT	25 Vp-p	75	5	-20 ~ 70	10	--	--	3.1		■			■
CMT-1203-SMT	25 Vp-p	81	5	-40 ~ 120	--	12	12	3.3		■			
CMT-1604-SMT	25 Vp-p	81	5	-40 ~ 120	--	16	16	2.6		■			
CMT-1261-SMT	20 Vp-p	88	10	-30 ~ 70	--	16.9	16.9	7.8		■			■
CPE-150	30 Vp-p	80	9	-30 ~ 85	16.5	--	--	4			■		
CPE-163	30 Vp-p	80	10	-30 ~ 85	13	--	--	2.5			■		
CPE-165	30 Vp-p	85	11	-30 ~ 85	14	--	--	4			■		

* Voltages listed are maximum

Transducers - without Driving Circuit

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
									Through Hole	Surface Mount	Wire Leads	Panel Mount	

Piezo* *continued*

CPE-6080	50 Vp-p	80	10	-30 ~ 80	60.8	--	--	14				■	
CEP-1141	30 Vp-p	81	9	-30 ~ 85	34.5	--	--	9.2				■	
CPE-120	30 Vp-p	88	8	-30 ~ 85	24	--	--	4				■	
CEP-1110	30 Vp-p	90	12	-30 ~ 85	24	--	--	5				■	
CEP-1126	30 Vp-p	92	10	-30 ~ 85	29.5	--	--	5.2				■	
CPE-827	50 Vp-p	97	11	-30 ~ 85	30	--	--	5.1				■	

Magnetic

CC-0601	1.5 Vo-p	70	80	-20 ~ 60	6.6	--	--	3.5	■				
CSQ-601BP	1.5 Vo-p	70	35	-20 ~ 60	12	--	--	5.5	■				
CSQ-706BP	1.5 Vo-p	70	20	-20 ~ 60	12	--	--	5.5	■				
CEM-1201[50]	1.5 Vo-p	80	20	-20 ~ 60	12	--	--	8.5	■				
CEM-1201S	1.5 Vo-p	80	20	-20 ~ 60	12	--	--	9.5	■				■
CEM-1601	1.5 Vo-p	80	20	-20 ~ 60	16	--	--	14	■				■
CCG-1206	5 Vo-p	85	50	-30 ~ 70	12	--	--	10	■				■
CBT-09427-SMT-TR	3.6 Vo-p	87	110	-40 ~ +85	9	--	--	2.5		■			
CEM-1201[42]	1.5 Vo-p	85	20	-20 ~ 60	12	--	--	8.5	■				
CEM-1203[42]	3.5 Vo-p	85	35	-20 ~ 60	12	--	--	8.5	■				
CEM-1206S	5 Vo-p	85	45	-30 ~ 70	12	--	--	9.5	■				■
CEM-1212S	12 Vo-p	85	40	-20 ~ 60	12	--	--	9.5	■				■
CEM-14R06CT	1.5 Vo-p	85	40	-30 ~ 70	12	--	--	10	■				■
CEM-1606	6 Vo-p	85	50	-20 ~ 60	16	--	--	14	■				■
CEM-1612	12 Vo-p	85	40	-20 ~ 60	16	--	--	14	■				■
CSQ-RP-E	1.5 Vo-p	85	80	-20 ~ 60	12	--	--	6	■				
CSQG703BP	3 Vo-p	85	90	-30 ~ 70	12	--	--	3.8	■				
CST-911AP	1.5 Vo-p	85	80	-20 ~ 60	9	--	--	4.5	■				
CST-911RP-A	1.5 Vo-p	85	80	-20 ~ 60	9	--	--	4.5	■				

* Voltages listed are maximum

Buzzers

Transducers - without Driving Circuit

Model Number	Rated Voltage	Sound Pressure Level [db]	Current Consumption [mA]	Operating Temperature [°C]	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Mounting Style				Washable
									Through Hole	Surface Mount	Wire Leads	Panel Mount	

Magnetic *continued*

CST-931AP	3 Vo-p	85	80	-20 ~ 60	9	--	--	4.5	■				
CST-931RP-A	3 Vo-p	85	80	-20 ~ 60	9	--	--	4.5	■				
CST-951AP	5 Vo-p	85	80	-20 ~ 70	9	--	--	4.5	■				
CST-951RP-A	5 Vo-p	85	80	-20 ~ 70	9	--	--	4.5	■				
CSS-0575A-SMT	3 Vo-p	75	110	-30 ~ 70	--	5	5	1.9		■			
CSS-0575B-SMT	3 Vo-p	75	110	-30 ~ 70	--	5	5	2.5		■			
CSS-0578-SMT	3 Vo-p	78	110	-30 ~ 70	--	5	5	3		■			
CD-1206-SMT	5 Vo-p	85	40	-30 ~ 70	12	--	--	9		■			
CSS-I4B20-SMT	3.6 Vo-p	85	80	-30 ~ 70	--	8.5	8.5	3		■			
CSS-73B16K-SMT	3.6 Vo-p	87	100	-30 ~ 70	--	8.5	8.5	4		■			
CT-1205-SMT	5 Vo-p	87	40	-30 ~ 85	--	12.8	12.8	7.1		■			■
CT-1205H-SMT	5 Vo-p	88	60	-30 ~ 70	--	12.8	12.8	10		■			■
CSS-J4B20-SMT	3.6 Vo-p	90	80	-30 ~ 70	--	8.5	8.5	3.2		■			
CSS-J4D20-SMT	3.6 Vo-p	90	80	-30 ~ 70	--	8.5	8.5	3.2		■			
CSS-H5B43-SMT	5 Vo-p	91	60	-30 ~ 85	--	14	11	3		■			
CSS-95B30-SMT	5 Vo-p	95	80	-20 ~ 70	--	10	10	3.2		■			
CST-934AS*	3 Vo-p	90	80	-20 ~ 60	9	--	--	4					

* Spring Terminals

Speakers

Multiple options offer maximum flexibility

To address the trend of miniaturization in mobile devices, we are focusing our design efforts on compact, low profile speakers. Our diverse line of speakers features diameters as small as 10 mm and depths as low as 2.9 mm. Through the use of superior materials and a focus on quality, these small speakers are able to deliver a richer sound not typically found in speakers of this size.

10~40 mm



CLS0282MA-L152



GC0401S



CDM-13008

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
CDM-10008	10	--	--	2.9	86	0.5	0.3	8	1200		■				Mylar	Nd-Fe-B	Round
CDM-12008	12	--	--	3	90	0.6	0.5	8	1000		■				Mylar	Nd-Fe-B	Round
CDM-15008	12	--	--	5.1	87	0.5	0.25	8	900		■				Mylar	Nd-Fe-B	Round
CDM-13008	13	--	--	2.9	87	0.5	0.2	8	1100		■				Mylar	Nd-Fe-B	Round
CDMG13008L-02	13	--	--	2	80	0.4	0.2	8	1050		■				Mylar	Nd-Fe-B	Round
GC0251K	--	14	25	5.2	80	1.5	1	8	600	■					Cloth	Nd-Fe-B	Square
CDMG15008-03A	15	--	--	2.8	92	0.5	0.3	8	900		■				Mylar	Nd-Fe-B	Round
CVS-1508	15	--	--	7.5	87	0.5	0.5	8	1700					■	Mylar	Nd-Fe-B	Round
GC0301K	--	16	30	5	77	1	0.5	8	500	■					Cloth	Nd-Fe-B	Square
GC0351M	--	16	35	5	81	1.5	1	8	650	■					Cloth	Nd-Fe-B	Square
GC0351M-3	--	16	35	5	81	1.5	1	8	650	■					Cloth	Nd-Fe-B	Square
GC0351N	--	16	35	4.2	82	1.5	1	8	650	■					Cloth	Nd-Fe-B	Square
GC0351P	--	16	35	8	84	2	1	8	550	■					Cloth	Nd-Fe-B	Square

Speakers

10~40 mm *continued*

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
GC0351P-1	--	16	35	8	82	2	1	4	630	■					Cloth	Nd-Fe-B	Square
GC0351P-3	--	16	35	7.4	82	2	1	4	630	■					Cloth	Nd-Fe-B	Square
CDMG16008-03	16	--	--	2.55	82	0.5	0.3	8	600		■				Mylar	Nd-Fe-B	Round
CDM-16008	16	--	--	3.2	93	0.6	0.4	8	800		■				Mylar	Nd-Fe-B	Round
CVS-1708	17	--	--	8	87	0.5	0.2	8	1500					■	Mylar	Nd-Fe-B	Round
GC0351K	--	20	35	8	85	1.5	1	8	550	■					Cloth	Nd-Fe-B	Square
GC0401S	--	20	40	8	89	1.5	1	8	550	■					Cloth	Nd-Fe-B	Square
GC0201MAP-1	20	--	--	4	81	0.2	0.1	8	800			■			Mylar	Nd-Fe-B	Round
CDM-20008	20	--	--	3.1	92	0.5	0.3	8	560		■				Mylar	Nd-Fe-B	Round
CLS0201MA	20	--	--	3.8	82	1	0.5	8	850		■				Mylar	Nd-Fe-B	Round
CLS0201MA-L152	20	--	--	3.8	82	1	0.5	8	850				■		Mylar	Nd-Fe-B	Round
CLS0201MP	20	--	--	4.2	116	0.2	0.1	8	800			■			Mylar	Nd-Fe-B	Round
CMS0201KLX	--	20	20	9.5	80	4	2	8	530	■					Paper	Nd-Fe-B	Square
CVS-2308	23	--	--	15	88	0.15	0.1	8	1500					■	Mylar	Nd-Fe-B	Round
CMS0231KLX	--	23	23	10.2	81	4	2	8	380	■					Paper	Nd-Fe-B	Square
CLS0231	23	--	--	5.7	89	1.5	1	8	650		■				Paper	Nd-Fe-B	Round
CLS0231-L152	23	--	--	5.7	89	1.5	1	8	650				■		Paper	Nd-Fe-B	Round
CLS0231MA-1	23	--	--	5	84	1	0.5	8	670		■				Mylar	Nd-Fe-B	Round
CLS0231MA-1-L152	23	--	--	5	84	1	0.5	8	670				■		Mylar	Nd-Fe-B	Round
CLS0231MA3E	23	--	--	5	84	0.4	0.2	32	680		■				Mylar	Nd-Fe-B	Round
CLS0231MA3E-L152	23	--	--	3.6	84	0.4	0.2	32	680				■		Mylar	Nd-Fe-B	Round
CLS0231MP-1	23	--	--	5	72	0.2	0.1	8	480			■			Mylar	Nd-Fe-B	Round
GF0251M	25	--	--	5.5	120	0.2	0.1	8	760	■					Mylar	Ferrite	Round
CLF0251MP	25	--	--	5.6	70	0.2	0.1	8	650			■			Mylar	Ferrite	Round
CLS0261MAE	26	--	--	4.6	88	1	0.5	8	540		■				Mylar	Nd-Fe-B	Round

10~40 mm *continued*

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
CLS0261MAE-L152	26	--	--	4.6	88	1	0.5	8	540				■		Mylar	Nd-Fe-B	Round
CLS0271M	27	--	--	5.8	84	0.2	0.1	8	430		■				Mylar	Nd-Fe-B	Round
CLS0271M-L152	27	--	--	5.8	84	0.2	0.1	8	430		■				Mylar	Nd-Fe-B	Round
CLS0281	28	--	--	5.8	82	3	1	8	500		■				Paper	Nd-Fe-B	Round
CLS0281-L152	28	--	--	5.8	82	3	1	8	500				■		Paper	Nd-Fe-B	Round
CLS0281MAE	28	--	--	5.2	87	4	2	8	780		■				Mylar	Nd-Fe-B	Round
CLS0281MAE-L152	28	--	--	5.2	87	4	2	8	780				■		Mylar	Nd-Fe-B	Round
CMS0281KLX	--	28	28	11.2	82	4	2	8	310	■					Paper	Nd-Fe-B	Square
CLS0281MP	28	--	--	4.2	82	0.3	0.2	8	850			■			Mylar	Nd-Fe-B	Round
CLS0282MA	28	--	--	6	83	1	0.5	8	720		■				Mylar	Nd-Fe-B	Round
CLS0282MA-L152	28	--	--	6	83	1	0.5	8	720				■		Mylar	Nd-Fe-B	Round
GC0281M	28	--	--	4	112	0.3	0.2	8	800	■					Mylar	Nd-Fe-B	Round
GC0401K	--	28.5	40	11.3	82	2	1	8	390	■					Paper	Nd-Fe-B	Square
GC0302M	30	--	--	6	120	0.15	0.3	32	220	■					Mylar	Nd-Fe-B	Round
CLS0301	30	--	--	3	86	2	1	8	550		■				Paper	Nd-Fe-B	Round
CLS0301-L152	30	--	--	3	86	2	1	8	550				■		Paper	Nd-Fe-B	Round
CLS0301MA	30	--	--	3	80	0.2	0.1	8	550		■				Mylar	Nd-Fe-B	Round
CLS0301MA-L152	30	--	--	3	80	0.2	0.1	8	550				■		Mylar	Nd-Fe-B	Round
CLS0301MP-1	30	--	--	3.9	78	0.3	0.2	8	500			■			Mylar	Nd-Fe-B	Round
CVS-3108	31.8	--	--	20.5	95	0.2	0.1	8	1250					■	Mylar	Nd-Fe-B	Round
CMS0321KLX	--	32	32	14.5	86	4	2	8	250	■					Paper	Nd-Fe-B	Square
CMS0341KLX	--	34	34	14.5	84	4	2	8	260	■					Paper	Nd-Fe-B	Square
CMS0361KLX	--	36	36	14.5	82	4	2	8	230	■					Paper	Nd-Fe-B	Square
GC0361MA	36	--	--	4.6	84	0.5	0.2	8	530	■					Mylar	Nd-Fe-B	Round
GC0362MA	36	--	--	4.6	82	1	0.5	8	530	■					Mylar	Nd-Fe-B	Round

Speakers

10~40 mm *continued*

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelet's	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
CLS0361	36	--	--	6.2	88	3	2	8	360		■				Paper	Nd-Fe-B	Round
CLS0361-L152	36	--	--	6.2	88	3	2	8	360				■		Paper	Nd-Fe-B	Round
CLS0362MA-1	36	--	--	6.2	89	1	0.5	8	550		■				Mylar	Nd-Fe-B	Round
CLS0362MA-1-L152	36	--	--	6.2	89	1	0.5	8	550				■		Mylar	Nd-Fe-B	Round
CLS0381M	38	--	--	9.7	80	0.4	0.2	8	800	■					Mylar	Nd-Fe-B	Round
CLF0381MP-1	38	--	--	9.4	93	0.4	0.25	8	380			■			Mylar	Ferrite	Round
CLS0381M-L152	38	--	--	9.7	80	0.4	0.2	8	800				■		Mylar	Nd-Fe-B	Round
CLS0401M	40	--	--	8.5	80	0.3	0.2	8	620	■					Mylar	Nd-Fe-B	Round
CLS0401M-L152	40	--	--	8.5	80	0.3	0.2	8	620				■		Mylar	Nd-Fe-B	Round
CLS0401MAE	40	--	--	5	91	2	1	4	600		■				Mylar	Nd-Fe-B	Round
CLS0401MAE-L152	40	--	--	5	91	2	1	4	600				■		Mylar	Nd-Fe-B	Round
CLS0401MP	40	--	--	9.7	80	0.5	0.2	8	600			■			Mylar	Nd-Fe-B	Round
CLS0402MA-1	40	--	--	5.3	90	1	0.5	8	530		■				Mylar	Nd-Fe-B	Round
CLS0402MA-1-L152	40	--	--	5.3	90	1	0.5	8	530				■		Mylar	Nd-Fe-B	Round
GC0401MA	40	--	--	4.6	86	0.5	0.2	8	440	■					Mylar	Nd-Fe-B	Round
GC0402MA	40	--	--	4.6	90	1	0.5	8	510	■					Mylar	Nd-Fe-B	Round
GF0401M	40	--	--	9.6	110	0.2	0.1	8	136	■					Mylar	Ferrite	Round
CMS0401KL-1X	--	40	40	14.5	87	6	4	8	320	■					Mylar	Nd-Fe-B	Square
CMS0401KL-3X	--	40	40	14.5	88	8	5	8	390	■					Paper	Nd-Fe-B	Square

45~77 mm

CLS0381M



GF0876M



CMS0461KLX



Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
CLS0451M	45	--	--	8.5	82	0.3	0.2	8	600	■					Mylar	Nd-Fe-B	Round
CLS0451M-L152	45	--	--	8.5	82	0.3	0.2	8	600				■		Mylar	Nd-Fe-B	Round
CMS0461KLX	--	46	46	22.8	88	4	2	8	160	■					Paper	Nd-Fe-B	Square
GF0729	--	48	72	24	90	1	0.5	8	400	■					Paper	Ferrite	Square
GF0501	50	--	--	17.5	87	0.5	0.25	8	430	■					Paper	Ferrite	Round
GF0501M	50	--	--	17.5	86	0.5	0.25	8	440	■					Mylar	Ferrite	Round
CLS0501M	50	--	--	9	80	0.4	0.2	8	580	■					Mylar	Nd-Fe-B	Round
CLS0501M-L152	50	--	--	9	80	0.4	0.2	8	580				■		Mylar	Nd-Fe-B	Round
CLS0501MP	50	--	--	9	80	0.5	0.2	8	550			■			Mylar	Nd-Fe-B	Round
GF0901TV	--	50	90	43	80	5	3	8	200	■					Paper	Ferrite	Square
GF0901	--	50	90	35	92	5	3	8	250	■					Paper	Ferrite	Square
CLS0571M	57	--	--	9.5	89	0.5	0.2	8	380	■					Mylar	Nd-Fe-B	Round
CLS0571M-L152	57	--	--	9.5	89	0.5	0.2	8	380				■		Mylar	Nd-Fe-B	Round
GA0576M	57	--	--	19.5	80	0.5	0.25	8	500					■	Mylar	Nd-Fe-B	Round
GF0571	57	--	--	18.5	86	0.5	0.25	8	380	■					Paper	Ferrite	Round
GF0571H	57	--	--	18.5	91	2	1	8	400	■					Paper	Ferrite	Round
GF0571M	57	--	--	18.5	86	0.5	0.25	8	480	■					Mylar	Ferrite	Round
GF0573	57	--	--	27.5	92	5	3	8	450	■					Paper	Ferrite	Round
GF0506	57	--	--	--	90	0.5	0.25	8	480	■					Paper	Ferrite	Square
GF0576	--	57	57	18.5	86	0.5	0.25	8	380	■					Paper	Ferrite	Square
GF0668TV	--	66	66	34	93	4	2	8	220	■					Paper	Ferrite	Square
GF0661	66	--	--	20	86	0.5	0.3	8	300	■					Paper	Ferrite	Round

Speakers

45~77 mm *continued*

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
GF0661M	66	--	--	20	88	1	0.5	8	430	■					Mylar	Ferrite	Round
GF0666	--	66	66	19.5	84	0.5	0.3	8	320	■					Paper	Ferrite	Square
GF0666M	--	66	66	19.5	83	1	0.5	8	330	■					Mylar	Ferrite	Square
GF0668	--	66	66	29	90	5	3	8	300	■					Paper	Ferrite	Square
GF0668B	--	66	66	29	94	5	3	8	210	■					Paper	Ferrite	Square
GA0661	66	--	--	21.5	87	0.5	0.3	8	340	■					Paper	Alnico	Round
GA0661M	66	--	--	21.5	86	1	0.5	8	340	■					Mylar	Alnico	Round
GA0666	--	66	66	21.5	86	1	0.5	8	320	■					Paper	Alnico	Square
GA0666M	--	66	66	21.5	87	1	0.5	8	400	■					Mylar	Alnico	Square
GA0701	70	--	--	22	89	1	0.5	8	320	■					Paper	Alnico	Round
GA0701M	70	--	--	22	91	1	0.5	8	330	■					Mylar	Alnico	Round
GF0779TV	--	77	77	44	89	10	6	8	120	■					Paper	Ferrite	Square
GA0771	77	--	--	24	90	2	1	8	250	■					Paper	Alnico	Round
GA0771B	77	--	--	26.5	92	4	3	8	240	■					Paper	Alnico	Round
GA0771M	77	--	--	24	90	2	1	8	300	■					Mylar	Alnico	Round
GA0776	--	77	77	25.1	90	2	1	8	190	■					Paper	Alnico	Square
GA0776M	--	77	77	25.1	90	2	1	8	320	■					Mylar	Alnico	Square
GF0701	77	--	--	21.5	91	1	0.5	8	310	■					Paper	Ferrite	Round
GF0701M	77	--	--	21.2	88	2	1	8	350	■					Mylar	Ferrite	Round
GF0771	77	--	--	24	92	2	1	8	180	■					Paper	Ferrite	Round
GF0771M	77	--	--	24	90	2	1	8	280	■					Mylar	Ferrite	Round
GF0776	--	77	77	24	92	2	1	8	180	■					Paper	Ferrite	Square
GF0776M	--	77	77	24	91	2	1	8	360	■					Mylar	Ferrite	Square
GF0778B	--	77	77	31	95	5	3	8	310	■					Paper	Ferrite	Square
GF1259	--	77	125	37	96	5	3	8	145	■					Paper	Ferrite	Square
GF1259TV	--	77	125	37	91	5	3	8	180	■					Paper	Ferrite	Square

87~306 mm



GA0776M



GF0876M



GF0901TV

Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
GF0876	--	87	87	34	99	5	3	8	290	■					Paper	Ferrite	Square
GF0876M	--	87	87	34	99	20	12	8	520	■					Mylar	Ferrite	Square
GA0876	--	87	87	32.5	90	2	1	8	180	■					Paper	Alnico	Square
GA0876M	--	87	87	32.5	85	2	1	8	260	■					Mylar	Alnico	Square
GA0926	--	92	92	26	91	3	1	8	220	■					Paper	Alnico	Square
GF0927	--	92	92	28.5	93	3	2	8	300	■					Paper	Ferrite	Square
GF0923TV	--	92	92	42	91	10	6	8	160	■					Paper	Ferrite	Square
GF0922	92	--	--	--	93	3	2	8	300	■					Paper	Ferrite	Round
GF1561	--	95	156	43	99	5	3	8	140	■					Paper	Ferrite	Square
GF1007TV	--	100	100	48	93	25	15	8	140	■					Paper	Ferrite	Square
GF1003	--	100	100	36.2	94	5	3	8	160	■					Paper	Ferrite	Square
GF1003M	--	100	100	36.2	93	5	3	8	250	■					Mylar	Ferrite	Square
GF1005M	--	100	100	42	101	20	15	8	3000	■					Mylar	Ferrite	Square
GF1007C	100	--	--	47.5	92	15	10	8	125	■					Paper	Ferrite	Round
GF1004	--	102	102	36.5	93	10	6	8	145	■					Paper	Ferrite	Square
GF1004H	--	102	102	50.5	90	40	20	8	100	■					Paper	Ferrite	Square
GF1004M	--	102	102	36.5	93	10	6	8	230	■					Mylar	Ferrite	Square
GF1562	--	103	156	39	96	10	6	8	135	■					Paper	Ferrite	Square
GA1006	--	103	103	36	92	4	2	8	200	■					Paper	Alnico	Square
GF1103	114	--	--	50.5	93	30	20	8	75	■					Paper	Ferrite	Round
GF1205TV	--	120	120	55	92	20	15	8	120	■					Paper	Ferrite	Square

Speakers

87~306 mm <i>continued</i>																	
Model Number	Diameter [mm]	Length [mm]	Width [mm]	Height [mm]	Sound Pressure Level [db]	Max Input [W]	Nominal Input [W]	Impedance [Ohms]	Resonance Frequency [Hz]	Mounting Style					Cone Type	Magnet Type	Frame Shape
										Solder Eyelets	Solder Pads	Solder Pins/Posts	Wire Leads	PCB			
GF1201	120	--	--	44	92	5	3	8	125	■					Paper	Ferrite	Round
GF1202	120	--	--	47	93	20	15	8	115	■					Paper	Ferrite	Round
GF1202B	120	--	--	45	91	30	20	8	88	■					Paper	Ferrite	Round
GF1205B	120	--	--	49	93	15	10	4	103	■					Paper	Ferrite	Round
GF1302	134	--	--	49	94	25	15	8	95	■					Paper	Ferrite	Round
GF1207	137	--	--	31.5	96	10	5	8	160	■					Paper	Ferrite	Round
GF1603	155.7	--	--	58.2	96	25	15	8	85	■					Paper	Ferrite	Round
GF1602	156	--	--	54.5	95	8	5	8	110	■					Paper	Ferrite	Round
GF1603B	165	--	--	70	96	10	8	4	90	■					Paper	Ferrite	Round
GF2005	203	--	--	84	94	80	50	8	50	■					Paper	Ferrite	Round
GF2001	205	--	--	66	98	20	10	8	75	■					Paper	Ferrite	Round
GF2002	205	--	--	83	97	30	20	8	65	■					Paper	Ferrite	Round
GF2002H	205	--	--	83	94	50	40	8	55	■					Paper	Ferrite	Round
GF2503	256	--	--	104	96	40	25	8	50	■					Paper	Ferrite	Round
GF2504	256	--	--	110	95	60	40	8	45	■					Paper	Ferrite	Round
GF3002	306	--	--	130	96	150	100	8	35	■					Paper	Ferrite	Round

Microphones

Precise sound conversion

Used to convert sound into an electric signal, electret condenser microphones contain a permanent charge, eliminating the need for an external polarizing voltage. Our microphone line starts with diameters as compact as 4 mm, in a range of configurations.

Electret Condenser Microphones

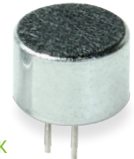
CME-1538-100LB



CMB-6544PF



CMI-5247TF-K



Model Number	Diameter [mm]	Depth [mm]	Directivity	Sensitivity [dB]	Operating Voltage [Vdc]	Sensitivity Reduction [dB]	Operating Frequency [Hz]	Signal to Noise Ratio [dBA]	Output Impedance [KΩ]	Termination
CME-1538-100LB*	1.5	4	Omnidirectional	-38	2	-3	20 ~ 20000	58	2.2	Wire Type
CMC-2242PBL-A*	2.2	6	Omnidirectional	-42	2	-3	100 ~ 20000	58	2.2	Pin Type
CMC-2742PBJ-A	2.7	6	Omnidirectional	-42	2	-3	100 ~ 20000	58	2.2	Pin Type
CMC-2742WBL-25L	2.7	6	Omnidirectional	-42	2	-3	100 ~ 20000	57	2.2	Wire Type
CMR-2747PB-A	2.7	6	Noise Canceling	-47	2	-3	100 ~ 20000	56	2.2	Pin Type
CMA-4544PF-W	4.5	9.7	Omnidirectional	-44	3	-3	20 ~ 20000	60	2.2	Pin Type
CMI-4537-SN69	4.5	9.7	Unidirectional	-37	1.5	-3	100 ~ 12000	69	1.8	Terminal Type
CMC-5042PF-AC	5	6	Omnidirectional	-42	2	-3	100 ~ 20000	56	2.2	Pin Type
CMC-5044PF-A	5	6	Omnidirectional	-44	2	-3	100 ~ 20000	56	2.2	Pin Type
CMC-5044TF-A	5	6	Omnidirectional	-44	2	-3	100 ~ 20000	60	2.2	Terminal Type
CMR-5054TB-A	5	6	Noise Canceling	-54	2	-3	100 ~ 10000	56	2.2	Terminal Type
CMI-5247TF-K	5.2	9.7	Unidirectional	-47	1.5	-3	70 ~ 20000	60	0.68	Terminal Type
CMP-5247TF-K	5.2	9.7	Noise Canceling	-47	1.5	-3	100 ~ 20000	58	0.68	Terminal Type
CMA-6542PF	6.5	9.7	Omnidirectional	-42	4.5	-3	50 ~ 20000	60	2.2	Pin Type
CMA-6542TF-K	6.5	9.7	Omnidirectional	-42	1.5	-3	100 ~ 20000	58	1.5	Terminal Type
CMB-6544PF	6.5	9.4	Omnidirectional	-44	4.5	-3	20 ~ 20000	60	1	Pin Type

* IP rated [dustproof and waterproof rating]

Encoders

Revolutionizing encoder technology

Our line of rotary encoders includes modular, integral, and panel mount configurations featuring incremental and absolute outputs. This product group is highlighted by our ground breaking AMT modular encoders based on capacitive technology, offering unmatched flexibility and durability in a modular encoder.

Modular

CUI has developed a unique and versatile line of modular encoders based on patented capacitive technology. The AMT series, available in incremental, absolute, and commutation versions, increases durability and reduces manufacturing and inventory costs when compared to the optical encoders typically used in today's motion control applications.



Series	Technology	Size LxWxH [mm]	Resolution [ppr]	Orientation	Supply Voltage [Vdc]	Bore Diameter [mm]	Line Driver	TTL Voltage	Index Pulse	Programmable Resolution
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Incremental

AMT102	capacitive	28.77 x 43.38 x 9.00	48~2048	Radial	3.6~5.5	2~8		■	■	■
AMT103	capacitive	28.60 x 34.21 x 9.00	48~2048	Axial	3.6~5.5	2~8		■	■	■
AMT112	capacitive	28.58 x 37.39 x 10.34	48~4096	Radial	4.5~5.5	2~8	■	■	■	■
AMT113	capacitive	28.58 x 37.39 x 10.34	48~4096	Axial	4.5~5.5	2~8	■	■	■	■

Absolute

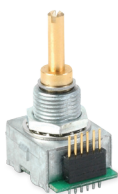
AMT203	capacitive	28.58 x 37.39 x 10.34	12-bit	Axial	3.6~5.5	2~8		■	■	■
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Commutation

AMT312	capacitive	28.58 x 37.39 x 10.34	48~4096	Radial	4.5~5.5	2~8	■	■	■	■
AMT313	capacitive	28.58 x 37.39 x 10.34	48~4096	Axial	4.5~5.5	2~8	■	■	■	■

Panel Mount

C14



ACZ12



ACZ09



Series	Technology	Width [mm]	Resolution [ppr]	Supply Voltage [Vdc]	Rotational Life	Shaft Material	Shaft Styles	Vertical Pins	Right-Angle Pins	Cable	Through Hole	Push Switch	Detent	Non-Detent
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Incremental

EC09P20	mechanical	9	20	10 [max]	100,000	metal	knurled, slotted end, d cut	■	■				■	
ACZ09	mechanical	11	10~20	5 [max]	30,000	metal	knurled, slotted end, d cut	■	■			■	■	■
ACZ12	mechanical	12	12, 24	12 [max]	30,000	plastic	knurled, d cut	■	■			■	■	■
ACZ16	mechanical	16	8, 16	5 [max]	100,000	metal	knurled, d cut	■	■			■	■	■
C14	optical	15	16, 32	4.75~5.25	1,000,000	metal	smooth	■	■	■	■	■	■	■
RE21	optical	18	25	4.5~5.5	1,000,000	plastic	smooth	■	■	■	■	■	■	■
RE23	optical	18	16, 25	3.3, 5	2,500,000	metal	smooth	■	■	■	■	■	■	
RE25	optical	18	16, 25	3.3, 5	2,500,000	metal	smooth	■	■	■	■		■	■
RE19	optical	19	25, 50	4.5~5.5	1,000,000	metal	smooth	■	■	■			■	■
RE24	optical	19.2	16, 25	3.3, 5	1,000,000	plastic	dual concentric	■	■	■			■	
EC204	optical	20	20	4.75~5.25	1,000,000	metal	smooth	■	■		■		■	
EC206	optical	20	25	4.75~5.25	1,000,000	metal	smooth, dual concentric	■		■	■	■	■	■
EC208	optical	20	25	3~3.6	1,000,000	metal	smooth, dual concentric	■		■	■	■	■	■
RE20	optical	20	20, 25	4.5~5.5	2,500,000	plastic	smooth	■	■	■	■		■	■
EC202A	optical	22	25~128	4.75~5.25	2,500,000	metal	smooth	■	■					■
EC202B020X	optical	22	20	4.75~5.25	2,000,000	metal	smooth		■				■	
EC202C	optical	22	25~200	4.75~5.25	100,000,000	metal	smooth	■	■					■
EC202E	optical	22	20	4.75~5.25	2,000,000	metal	smooth	■	■	■	■	■	■	
EC202V	optical	22	50, 100	4.75~5.25	2,500,000	metal	smooth	■						■
EC251	optical	25	50	4.75~5.25	1,000,000	metal	smooth, dual concentric	■		■	■	■	■	■
EC252	optical	25	50	3~3.6	1,000,000	metal	smooth, dual concentric	■		■	■	■	■	■

Encoders

Integral

MES20



MES12



MES40



Series	Technology	Diameter [mm]	Resolution [ppr]	Supply Voltage [Vdc]	Shaft Diameter [mm]	Line Driver	HV Open Collector [hoc]	Open Collector [oc]	Sine Wave [sw]	Voltage [vo]	Optional Quadrature
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Incremental

MES3	optical	5	64, 1024	3.1~3.3[oc], 5~12[vo][ld][hoc]	1.5	■	■	■		■	
MES6	optical	7.5	100~360	4.5~5.5	1.5	■		■		■	
MES9	optical	13	100~16000	4.5~5.5	1.5	■		■	■	■	■
MES12	optical	20	100~32000	4.5~5.5, 5[ld], 5~12[vo][oc], 24[hoc]	1.5, 2, 3	■	■	■	■	■	■
MES17P	optical	20	100~500	4.5~5.5	2~4					■	
MES20	optical	32	40~40000	4.5~5.5, 5[ld], 5~12[vo][oc], 24[hoc]	6	■	■	■	■	■	■
SES10	optical	13	100~200	4.5~5.5	2				■		
SES17	optical	20	100~360	4.5~5.5	2~4				■		
MES30	optical	44	40~72000	4.5~5.5, 5[ld], 5~12[vo], 5~24[oc][hoc]	6	■	■	■	■	■	■
MES40	optical	56	100~80000	4.5~5.5, 5[ld], 5~12[vo][oc], 24[hoc]	8	■	■	■	■	■	■
MEH9	optical	13	100~16000	4.5~5.5	1.5	■		■	■	■	■
MEH12	optical	20	100~32000	4.5~5.5, 5[ld], 5~12[vo][oc], 24[hoc]	1.5, 2, 3	■	■	■	■	■	■
MEH17	optical	20	100~500	4.5~5.5	2					■	
SEH17	optical	20	100~300	4.5~5.5	2				■		
MEH20	optical	32	40~40000	4.5~5.5, 5[ld], 5~12[vo][oc], 24[hoc]	5	■	■	■	■	■	■
MEH30	optical	44	40~72000	4.5~5.5, 5[ld], 5~12[vo], 5~24[oc][hoc]	8~10	■	■	■	■	■	■

Integral

Series	Technology	Diameter [mm]	Resolution [ppr]	Supply Voltage [Vdc]	Shaft / Bore Diameter [mm]	BDC	Gray Code	Natural Binary
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Absolute

MAS10	optical	13	256	4.75~5.25	1.5		■	
MAS17	optical	20	256~1024	4.75~5.25	4	■	■	■
MAS36	optical	46	256	4.75~5.25, 12~24	6		■	■
MAH17	optical	20	256~1024	4.75~5.25	2	■	■	■
MAH36	optical	46	256	4.75~5.25, 12~24	7		■	■
MAH42	optical	52	256~4096	4.75~5.25, 12~24	10	■	■	■



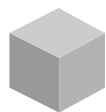
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