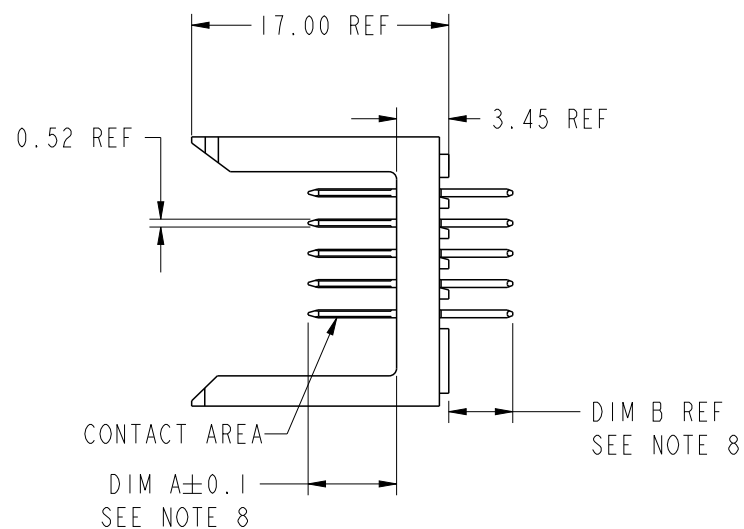
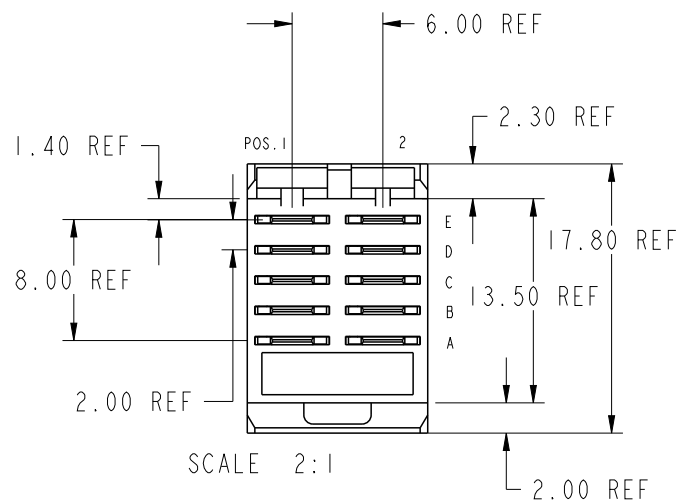
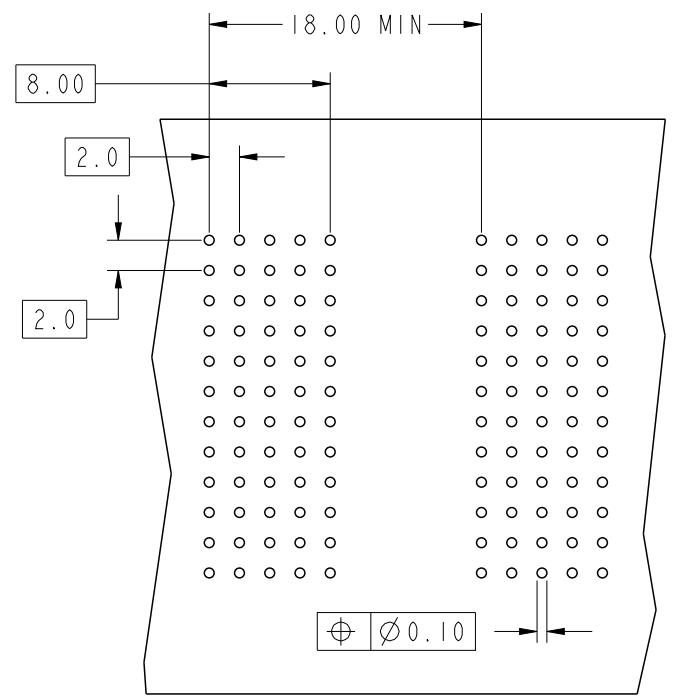


PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

spec ref *				dr Terran Huang 2010/07/08		projection 	mm 	size A4	scale 2:1
tolerance std ISO 406 ISO 1101				eng Andy Lu 2013/10/22				ecn no ELX-DG-16119-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Sun Richard 2013/10/24				rel level Released	
appr Pei-Ming Zheng 2013/10/24				product family METRAL					
surface 3.200 linear 		0.X ±0.3		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT			dwg no 89099		rev AV
		0.XX ±0.13							
		0.XXX ±0.051							
ISO 1302		angular 0° ±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 1 of 6	



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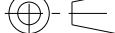


SCALE 2:1

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION.

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
P01	6.50	4.30
P02	7.25	4.30
P03	8.00	4.30
P04	6.50	13.60
P05	7.25	13.60
P06	8.00	13.60
P07	6.50	17.00
P08	7.25	17.00
P09	8.00	17.00
PI6	5.00	4.30
PI7	5.75	4.30

spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1		
tolerance std				eng	Andy Lu	2013/10/22			ecn no				ELX-DG-16119-1	
ISO 406 ISO 1101				chr	Sun Richard	2013/10/24			rel level				Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Pei-Ming Zheng	2013/10/24			product family				METRAL	
surface 3.200 linear  ISO 1302		0.X	±0.3		title	METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no	89099		rev	AW
		0.XX	±0.13											
		0.XXX	±0.051											
angular				0°	±2°	www.fci.com	cat. no.		Product - Customer Drw				sheet 2 of 6	



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1				2				3				4			
METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I		METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2			I	2			I	2			I	2
89099-X01 SEE NOTE 10 LEAD FREE OPTION	E	PI6	PI6	89099-X05 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X11 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X15 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02
	D	PI6	PI6		D	P01	P01		D	P01	P01		D	P02	P02
	C	PI6	PI6		C	P02	P02		C	P01	P01		C	P02	P02
	B	PI6	PI6		B	P03	P03		B	P01	P01		B	P02	P02
	A	PI6	PI6		A	P03	P03		A	P01	P01		A	P02	P02
89099-X02 SEE NOTE 10 LEAD FREE OPTION	E	PI6	PI6	89099-X06 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X12 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X16 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	PI6	PI6		D	PI7	PI7		D	P01	P01		D	P01	P01
	C	PI6	PI6		C	PI7	PI7		C	P01	P01		C	P02	P02
	B	PI6	PI6		B	PI7	PI7		B	P03	P03		B	P02	P02
	A	P01	P01		A	PI7	PI7		A	P01	P01		A	P03	P03
89099-X03 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X07 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02	89099-X13 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X17 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	P01	P01		D	P02	P02		D	P01	P01		D	P01	P01
	C	PI7	PI7		C	P02	P02		C	P02	P02		C	P01	P01
	B	PI7	PI7		B	P02	P02		B	P03	P03		B	P01	P01
	A	P01	P01		A	P02	P02		A	P03	P03		A	P03	P03
89099-X04 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7	89099-X10 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01	89099-X14 SEE NOTE 10 LEAD FREE OPTION	E	P03	P03	89099-X18 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	PI7	PI7		D	P01	P01		D	P03	P03		D	P01	P01
	C	PI7	PI7		C	P02	P02		C	P03	P03		C	P03	P03
	B	P02	P02		B	P03	P03		B	P03	P03		B	P03	P03
	A	PI7	PI7		A	P02	P02		A	P03	P03		A	P03	P03
89099-X20 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X21 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X22 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04	89099-X23 SEE NOTE 10 LEAD FREE OPTION	E	P04	P04
	D	P04	P04		D	P04	P04		D	P04	P04		D	P04	P04
	C	P05	P05		C	P04	P04		C	P04	P04		C	P05	P05
	B	P06	P06		B	P04	P04		B	P06	P06		B	P06	P06
	A	P05	P05		A	P04	P04		A	P04	P04		A	P06	P06

spec ref *				dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale		1:1																					
tolerance std				eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1																									
ISO 406 ISO 1101				chr		Sun Richard		2013/10/24																																	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Pei-Ming Zheng		2013/10/24		product family				METRAL								rel level				Released															
surface						title				METRAL POWER HEADER				dwg no								89099				rev															
3.2																																									
linear																																									
0.X				www.fci.com		cat. no.				Product - Customer Drw				sheet 3 of 6								AW																			
±0.3																																									
0.XX																																									
±0.13																																									
0.XXX																																									
±0.051																																									
angular				0°		±2°				Product - Customer Drw				sheet 3 of 6								AW																			
ISO 1302																																									



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METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X24 SEE NOTE 10 LEAD FREE OPTION E D C B A P06 P06 P06 P06 P06	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X28 SEE NOTE 10 LEAD FREE OPTION E D C B A P04 P04 P06 P06 P06	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X33 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P08 P09 P09	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X37 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P07 P07 P09	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X41 SEE NOTE 10 LEAD FREE OPTION E D C B A P01 P03 P03 P03 P02
METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X25 SEE NOTE 10 LEAD FREE OPTION E D C B A P05 P05 P05 P05 P05	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X30 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P08 P09 P08	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X34 SEE NOTE 10 LEAD FREE OPTION E D C B A P09 P09 P09 P09 P09	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X38 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P09 P09 P09	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X42 SEE NOTE 10 LEAD FREE OPTION E D C B A P01 P02 P02 P02 P01
METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X26 SEE NOTE 10 LEAD FREE OPTION E D C B A P04 P04 P05 P05 P06	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X31 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P07 P07 P07	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X35 SEE NOTE 10 LEAD FREE OPTION E D C B A P08 P08 P08 P08 P08	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X39 SEE NOTE 10 LEAD FREE OPTION E D C B A P03 P01 P01 P01 P01	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X43 SEE NOTE 10 LEAD FREE OPTION E D C B A P03 P03 P03 P02 P02
METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X27 SEE NOTE 10 LEAD FREE OPTION E D C B A P04 P04 P04 P04 P06	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X32 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P07 P09 P07	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X36 SEE NOTE 10 LEAD FREE OPTION E D C B A P07 P07 P08 P08 P09	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X40 SEE NOTE 10 LEAD FREE OPTION E D C B A P02 P01 P02 P01 P02	METRAL P/N ROW CONTACT CODE MOD. I I 2 89099-X44 SEE NOTE 10 LEAD FREE OPTION E D C B A P03 P03 P03 P16 P03

spec ref *				dr	Terran Huang	2010/07/08	projection		mm		size	A4	scale	1:1		
tolerance std				eng	Andy Lu	2013/10/22					ecn no				ELX-DG-16119-1	
ISO 406 ISO 1101				chr	Sun Richard	2013/10/24					rel level				Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Pei-Ming Zheng	2013/10/24	product family				METRAL					
								title				dwg no				rev
surface 3.2				0.X	±0.3		METRAL POWER HEADER				89099				AW	
200linear				0.XX	±0.13		1 MOD, 5 ROW PRESS-FIT									
ISO 1302				0.XXX	±0.051		cat. no.									
angular				0°	±2°		Product - Customer Drw				sheet 4 of 6					

PrintE File - REV C - 2009-06-09

PDS: Rev :AW

STATUS:Released

Printed: Oct 25, 2013

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X61 SEE NOTE 10 LEAD FREE OPTION	E	P03	P03
	D	P03	P03
	C	P02	P02
	B	P01	P01
	A	P01	P01

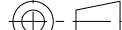
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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099- X62 SEE NOTE 10 LEAD FREE OPTION	E	P06	P06
	D	P05	P05
	C	P05	P05
	B	P06	P06
	A	P05	P05

1

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099- X63 SEE NOTE 10 LEAD FREE OPTION	E	P01	P01
	D	P02	P02
	C	P01	P01
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X64 SEE NOTE 10 LEAD FREE OPTION	E	P02	P02
	D	P02	P02
	C	P01	P01
	B	P03	P03
	A	P01	P01

spec ref		*		dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Andy Lu		2013/10/22						ecn no		ELX-DG-16119-1					
ISO 406				chr		Sun Richard		2013/10/24						rel level		Released					
ISO 1101				appr		Pei-Ming Zheng		2013/10/24													
surface		3/20 linear		0.X		±0.3				title		METRAL POWER HEADER		dwg no		89099		rev		AW	
		0.XX		±0.13																	
		0.XXX		±0.051																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 6					



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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X65 SEE NOTE 10 LEAD FREE OPTION	E	PI7	PI7
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X66 ----- 89099-X66LF	E	PI7	PI7
	D	PI7	PI7
	C	P02	P02
	B	P02	P02
	A	PI7	PI7

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X67 ----- 89099-X67LF	E	P01	P01
	D	P02	P02
	C	P02	P02
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X68 ----- 89099-X68LF	E	P01	P01
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X69 ----- 89099-X69LF	E	P03	P03
	D	PI6	PI6
	C	PI6	PI6
	B	PI6	PI6
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X70 ----- 89099-X70LF	E	P01	P01
	D	P03	P01
	C	P03	P03
	B	P03	P03
	A	P03	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X71 ----- 89099-X71LF	E	P03	P03
	D	P03	P03
	C	P03	P02
	B	P03	P02
	A	P03	P03

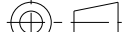
METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
89099-X72 ----- 89099-X72LF	E	P01	P01
	D	P02	P02
	C	PI6	PI6
	B	-	-
	A	P02	P02

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL

POLYMER 30 % GLASS.

FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:
89099 -XXX IS SnPb
89099-XXYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"
WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-075
- AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89099-X0ILF
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR
60 SECONDS IN CONVECTION, INFAR-RED OR VAPOR PHASE
REFLOW OVEN.

spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Andy Lu	2013/10/22			ecn no				ELX-DG-16119-1
ISO 406 ISO 1101				chr	Sun Richard	2013/10/24			rel level				Released
				appr	Pei-Ming Zheng	2013/10/24			product family				METRAL
surface 3.200 linear		0.X	±0.3		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no	89099		rev AV	
		0.XX	±0.13										
		0.XXX	±0.051										
ISO 1302		angular	0°	±2°	www.fci.com		cat. no.	-	Product - Customer Drw			sheet 6 of 6	

Print File - REV C - 2009-06-09

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Электронная почта: ocean@oceanchips.ru

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