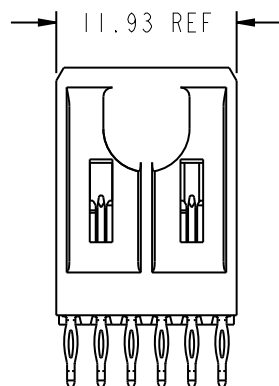
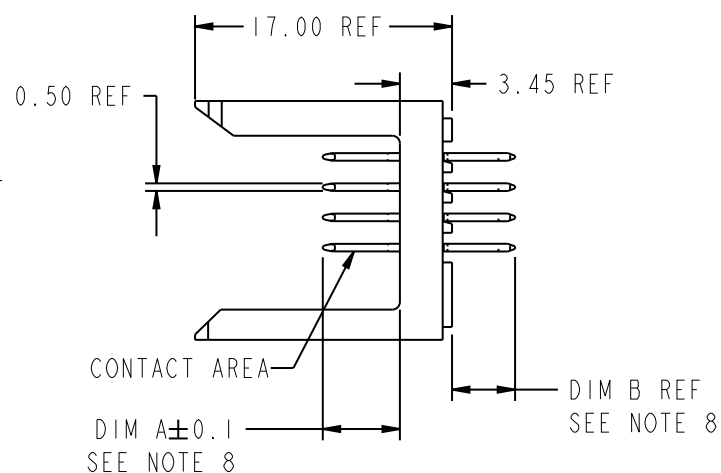
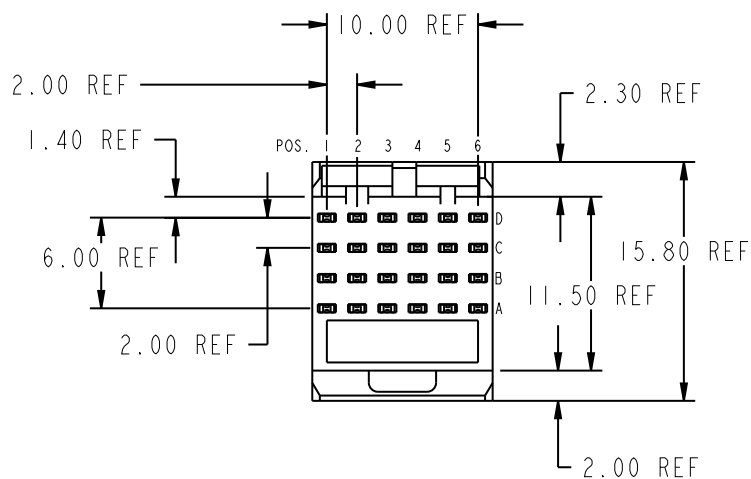




PRODUCT NUMBER
SEE TABLE



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ± 0.3	projection		COPY		www.fciconnect.com	
AH	V06-0569	DCH	2006-06-13	linear	0.XX ± 0.13						
AJ	DG09-0256	TER	2009-08-19	linear	.XXX ± 0.051						
-	-	-	-	angles	0° $\pm 2^\circ$						
AD	V03-0025	JWS	02/06/03	dr	T.BRUNGARD	11/19/99		MM		product family METRAL	
AE	V03-1321	DAI	01/15/04	enr	M.STRAWER	11/19/99				code 213	
AF	V04-0794	TAB	08/13/04	chr	M.STRAWER	11/19/99				size	
AG	V05-0368	DPU	06/01/05	appd	M.STRAWER	02/29/00		scale 2:1		dwg no 88921	
sheet index	revision	AJ	AJ	AJ	AJ	AJ	AJ			1 of 6	
	sheet	1	2	3	4	5	6				



www.fciconnect.com

title
METRAL SIGNAL HEADER
1 MOD, 4 ROW PRESS-FIT

product family METRAL

size

dwg no 88921

code 213

1 of 6

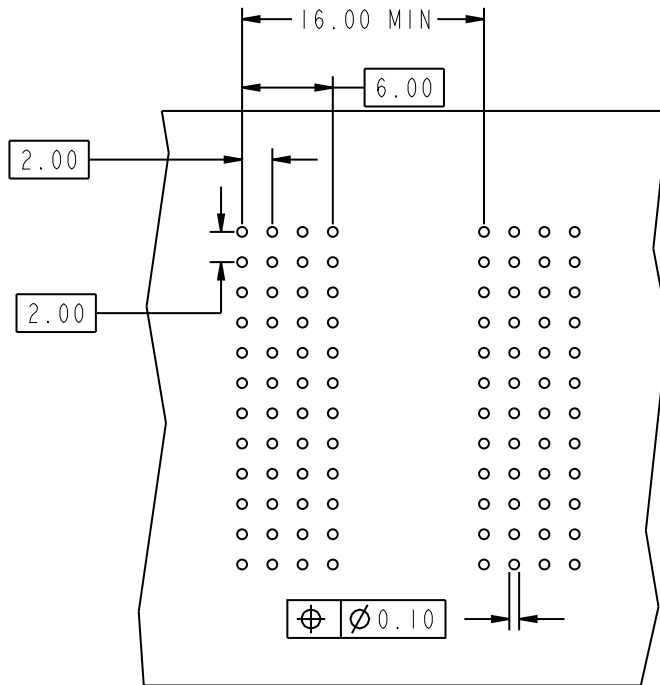
cage code 22526

Pro/E

PDM: Rev:AJ

STATUS:Released

Printed: Sep 16, 2009



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
25	5.75	15.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
44	5.75	12.10
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ± 0.3	projection		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		
AJ					0.XX ± 0.13					
					.XXX ± 0.051					
				angles	0° $\pm 2^\circ$	 scale 2:1	 scale 2:1	product family METRAL code 213 size dwg no 88921 sheet 2		
				dr	T.BRUNGARD					11/19/99
				enr	M.STRAWSE					11/19/99
				chr	M.STRAWSE	11/19/99				
				appd	M.STRAWSE	02/29/00				
sheet index	revision sheet									



- 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 AREA :SEE PRODUCT NUMBER TABLE.
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE ON SHEET3.
 - 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, 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-20-073
 - AFTER INSERTION INTO BOARD WITH QUALIFIED TOOLING.
 - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-12-008.
 - ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS
CONTAINING 88921-NI---OR 88921-N5---WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN. PART NUMBERS 88921-NI---AND 88921-N5---
WILL NOT WITHSTAND REFLOW AND THE A_U CONTACT SURFACE OF
THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140 DEGREES
C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER
APPLICATION.

mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY			title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
AJ					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99	product family		METRAL
				enrg	x. xxxxxx	mm/dd/yy	size		dwg no
				chr	M.STRAWSER	11/19/99	A		88921
				appd	M.STRAWSER	02/29/00	scale		1:1
sheet	revision								
index	sheet								

cage code 22526

Pro/E

PDM: Rev:AJ

STATUS:Released

Printed: Sep 16, 2009



METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X01 AND 88921-X01LF	D	-	2	-	2	-	2	
	C	-	2	-	2	-	2	
	B	-	2	-	2	-	2	
	A	-	2	-	2	-	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X02 AND 88921-X02LF	D	-	6	-	6	-	6	
	C	-	6	-	6	-	6	
	B	-	6	-	6	-	6	
	A	-	6	-	6	-	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X03 AND 88921-X03LF	D	3	3	3	3	3	3	
	C	4	4	4	4	4	4	
	B	4	4	4	4	4	4	
	A	4	4	4	4	4	4	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X04 AND 88921-X04LF	D	7	7	7	7	7	7	
	C	8	8	8	8	8	8	
	B	8	8	8	8	8	8	
	A	8	8	8	8	8	8	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X05 AND 88921-X05LF	D	13	2	2	2	2	2	
	C	13	2	2	2	2	2	
	B	13	2	2	2	2	2	
	A	13	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X06 AND 88921-X06LF	D	14	6	6	6	6	6	
	C	14	6	6	6	6	6	
	B	14	6	6	6	6	6	
	A	14	6	6	6	6	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X07 AND 88921-X07LF	D	15	10	10	10	10	10	
	C	15	10	10	10	10	10	
	B	15	10	10	10	10	10	
	A	15	10	10	10	10	10	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X08 AND 88921-X08LF	D	16	2	2	2	2	2	
	C	16	2	2	2	2	2	
	B	16	2	2	2	2	2	
	A	16	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X09 AND 88921-X09LF	D	17	6	6	6	6	6	
	C	17	6	6	6	6	6	
	B	17	6	6	6	6	6	
	A	17	6	6	6	6	6	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X10 AND 88921-X10LF	D	18	10	10	10	10	10	
	C	18	10	10	10	10	10	
	B	18	10	10	10	10	10	
	A	18	10	10	10	10	10	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X11 AND 88921-X11LF	D	13	16	16	16	16	13	
	C	13	16	16	16	16	13	
	B	13	16	16	16	16	13	
	A	13	16	16	16	16	13	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X12 AND 88921-X12LF	D	14	17	17	17	17	14	
	C	14	17	17	17	17	14	
	B	14	17	17	17	17	14	
	A	14	17	17	17	17	14	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X13 AND 88921-X13LF	D	15	18	18	18	18	15	
	C	15	18	18	18	18	15	
	B	15	18	18	18	18	15	
	A	15	18	18	18	18	15	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X14 AND 88921-X14LF	D	2	2	2	3	2	2	
	C	2	2	2	3	2	2	
	B	2	1	2	3	2	2	
	A	2	2	2	3	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X15 AND 88921-X15LF	D	4	4	4	4	4	2	
	C	3	3	3	3	3	3	
	B	3	3	3	3	3	3	
	A	3	3	3	3	3	3	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X16 AND 88921-X16LF	D	13	13	13	13	-	13	
	C	13	13	13	13	-	13	
	B	13	13	13	13	-	13	
	A	13	13	13	13	-	13	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X17 AND 88921-X17LF	D	25	25	25	25	25	25	
	C	25	25	25	25	25	25	
	B	25	25	25	25	25	25	
	A	25	25	25	25	25	25	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X18 AND 88921-X18LF	D	3	1	1	1	1	1	
	C	3	1	1	1	1	1	
	B	3	1	1	1	1	1	
	A	3	1	1	1	1	1	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X19 AND 88921-X19LF	D	2	2	2	2	2	2	
	C	4	2	4	2	4	2	
	B	2	4	2	4	2	4	
	A	2	2	2	2	2	2	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X20 AND 88921-X20LF	D	19	3	3	3	3	19	
	C	19	3	3	3	3	19	
	B	19	3	3	3	3	19	
	A	19	3	3	3	3	19	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X21 AND 88921-X21LF	D	4	4	4	19	19	19	
	C	4	4	4	19	19	19	
	B	4	4	4	19	19	19	
	A	4	4	4	19	19	19	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X22 AND 88921-X22LF	D	8	8	8	20	20	20	
	C	8	8	8	20	20	20	
	B	8	8	8	20	20	20	
	A	8	8	8	20	20	20	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X23 AND 88921-X23LF	D	4	1	4	1	1	1	
	C	4	1	1	1	1	1	
	B	4	1	1	1	1	1	
	A	4	1	4	1	1	1	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X24 AND 88921-X24LF	D	22	22	22	22	22	22	
	C	44	44	44	44	44	44	
	B	44	44	44	44	44	44	
	A	45	45	45	45	45	45	

METRAL P/N		ROW	CONTACT CODE MOD. I					
88921-X25 AND 88921-X25LF	D	3	3	3	3	3	-	
	C	3	3	3	3	3	-	
	B	3	3	3	3	3	-	
	A	-	-	3	3	3	-	

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ	
lfr		ecn no.		dr		date		COPY	
A J								projection	
								MM	
								scale	
								A	
								88921	
								213	
								4	

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
AJ					0.XX ±0.13					METRAL SIGNAL HEADER	
				angles	.XXX ±.051					1 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99			product family		METRAL	
				enrg	M.STRAWSE 11/19/99			size		dwg no	
				chr	M.STRAWSE 11/19/99			A		88921	
				appd	M.STRAWSE 02/29/00			sheet		4	
sheet index		revision sheet									



METRAL P/N		CONTACT CODE MOD. I					
ROW	I	2	3	4	5	6	
D	19	-	4	-	3	-	
C	19	-	4	-	-	19	
B	-	19	-	4	-	19	
A	-	19	-	4	-	19	

METRAL P/N		CONTACT CODE MOD. I					
ROW	I	2	3	4	5	6	
D	3	3	3	3	3	1	
C	3	3	3	3	3	19	
B	3	3	3	3	3	3	
A	3	3	3	3	19	19	

METRAL P/N		CONTACT CODE MOD. I					
ROW	I	2	3	4	5	6	
D	-	4	-	4	-	4	
C	4	-	4	-	4	-	
B	-	4	-	4	-	4	
A	4	-	4	-	4	-	

METRAL P/N		CONTACT CODE MOD. I					
ROW	I	2	3	4	5	6	
D	-	62	-	62	-	62	
C	62	-	62	-	62	-	
B	-	62	-	62	-	62	
A	62	-	62	-	62	-	

METRAL P/N		CONTACT CODE MOD. I					
ROW	I	2	3	4	5	6	
D	-	8	-	8	-	8	
C	8	-	8	-	8	-	
B	-	8	-	8	-	8	
A	8	-	8	-	8	-	

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ	
Itr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
AJ				angles	0.XX ±0.13	projection		title	
					.XXX ±.051			METRAL SIGNAL HEADER	
					0° ±2°			1 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99	MM		product family	
				enrg	M.STRAWSE 11/19/99	scale		METRAL	
				chr	M.STRAWSE 11/19/99	1:1		code	
				appd	M.STRAWSE 02/29/00			213	
sheet index	revision	sheet						sheet	
								5	



METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X51 AND 88921-X51LF	D	-	42	-	42	-	42
	C	42	-	42	-	42	-
	B	-	42	-	42	-	42
	A	42	-	42	-	42	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X56 AND 88921-X56LF	D	-	12	-	12	-	12
	C	12	-	12	-	12	-
	B	-	12	-	12	-	12
	A	12	-	12	-	12	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X61 AND 88921-X61LF	D	7	6	6	5	6	6
	C	7	6	5	5	7	6
	B	7	6	6	6	6	6
	A	7	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X52 AND 88921-X52LF	D	-	43	-	43	-	43
	C	43	-	43	-	43	-
	B	-	43	-	43	-	43
	A	43	-	43	-	43	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X57 AND 88921-X57LF	D	-	21	-	21	-	21
	C	21	-	21	-	21	-
	B	-	21	-	21	-	21
	A	21	-	21	-	21	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X62 AND 88921-X62LF	D	19	-	4	-	3	19
	C	19	-	4	-	-	19
	B	-	19	-	4	-	19
	A	-	19	-	4	-	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X53 AND 88921-X53LF	D	-	9	-	9	-	9
	C	9	-	9	-	9	-
	B	-	9	-	9	-	9
	A	9	-	9	-	9	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X58 AND 88921-X58LF	D	20	6	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	5	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X54 AND 88921-X54LF	D	-	10	-	10	-	10
	C	10	-	10	-	10	-
	B	-	10	-	10	-	10
	A	10	-	10	-	10	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X59 AND 88921-X59LF	D	1	1	2	1	1	1
	C	1	1	2	1	1	1
	B	1	1	2	1	1	1
	A	1	1	2	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X55 AND 88921-X55LF	D	-	11	-	11	-	11
	C	11	-	11	-	11	-
	B	-	11	-	11	-	11
	A	11	-	11	-	11	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
88921-X60 AND 88921-X60LF	D	2	2	2	3	2	3
	C	2	2	2	3	2	3
	B	2	2	2	3	2	3
	A	2	2	2	3	2	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		
AJ					0.XX ± 0.13	projection				
					.XXX $\pm .051$					
				angles	0° $\pm 2^\circ$					
				dr	T.BRUNGARD	11/19/99	MM		product family METRAL	
				engr	M.STRAWSE	11/19/99	scale		size	
				chr	M.STRAWSE	11/19/99	1:1		dwg no	
				appd	M.STRAWSE	02/29/00			88921	
sheet	revision								code	
index	sheet								213	
									sheet	
									6	

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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moschip.ru_9