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HIROSE ELECTRIC CO., LTD.
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Change in the Lid Shape of the Coaxial L-Type Connector

We are writing today to inform you that we will make some changes as shown in the subject for the reason described below.

We will announce them in advance.

1	Products	Various coaxial connectors *Please refer to the attachment 1 for detailed product names.						
2	Substitute proposal product	Various coaxial connectors *Please refer to the attachment 1 for detailed product names.						
3	Classification of change	Product specification change.						
4	Changes	<table><tr><th>Current product</th><th>Replacement product</th></tr><tr><th>Contact lens shape</th><th>Concave additional shape</th></tr><tr><td></td><td></td></tr></table> As shown in the above diagram, we will change the shape of the lids incorporated or attached to various coaxial L-type connectors from a contact lens shape to a concave additional shape. For details, please refer to Attachment 2. These changes will not affect the performances of the product.	Current product	Replacement product	Contact lens shape	Concave additional shape		
Current product	Replacement product							
Contact lens shape	Concave additional shape							
								
5	Reason for change	It is for the improvement of quality and productivity.						
6	Date of final reception of orders for the applicable product	August 31,2026						
7	Date of the first reception of orders for the substitute proposal product	August 1,2025						
8	Date of final shipment of the applicable product	February 28,2027						
9	Date of your acknowledgement	By December 31,2025						

Due to unavoidable circumstances such as future material supply conditions, orders for the applicable products may be terminated without prior notice prior to the final order acceptance date.

We apologize for the inconvenience, but we kindly ask that you please inform our sales representative as soon as possible of your approval.

Please note that if we do not receive a response by the approval date, we will assume that your approval has been received, and if you receive an order for the applicable product after the final order acceptance date, we will not be able to accept your order.

If you should have any questions, please feel free to contact a Hirose business representative.

Your understanding and cooperation are highly appreciated.

■Product list PCN2025-03_Change in the Lid Shape of the Coaxial L-Type Connector

No.	Current product		Substitute proposal product		Remarks	
	Product code	Product name	Product code	Product name	Before	After
1	CL0302-0363-1-41	BNC(75)-LR-PC-6(41)	CL0302-0363-1-51	BNC(75)-LR-PC-6(41)X		
2	CL0311-0460-9-00	HRMMJ-ML51P-LA	CL0311-0460-9-50	HRMMJ-ML51P-LAX		
3	CL0312-0114-4-40	PO73-UPA-12.7(40)	CL0312-0114-4-50	PO73-UPA-12.7(40)X		
4	CL0312-0267-5-00	PO(ST)-LPP-085F(4.8)	CL0312-0267-5-50	PO(ST)-LPP-085F(4.8)X		
5	CL0318-0051-4-40	UM-QLR-PC-1(40)	CL0318-0051-4-50	UM-QLR-PC-1(40)X		
6	CL0318-0162-5-40	UM-QLP-1.5-6(40)	CL0318-0162-5-50	UM-QLP-1.5-6(40)X		
7	CL0318-0162-5-41	UM-QLP-1.5-6(41)	CL0318-0162-5-51	UM-QLP-1.5-6(41)X		
8	CL0318-0162-5-42	UM-QLP-1.5-6(42)	CL0318-0162-5-52	UM-QLP-1.5-6(42)X		
9	CL0318-0163-8-40	UM-QLP-1.5W-6(40)	CL0318-0163-8-50	UM-QLP-1.5W-6(40)X		
10	CL0318-0163-8-41	UM-QLP-1.5W-6(41)	CL0318-0163-8-51	UM-QLP-1.5W-6(41)X		
11	CL0318-0205-6-40	UM-QLP-1.5DQS(40)	CL0318-0205-6-50	UM-QLP-1.5DQS(40)X		
12	CL0318-0222-5-40	UM-QLP-FCCAF1(40)	CL0318-0222-5-50	UM-QLP-FCCAF1(40)X		
13	CL0321-0258-0-01	EFL-MMCXLP-066N1-AF-200RS	CL0321-0258-0-51	EFL-MMCXLP-066N1-AF-200X		
14	CL0321-0759-0-01	SMP-2LJ-MC1-A-100	CL0321-0759-0-51	SMP-2LJ-MC1-A-100X		
15	CL0321-0759-0-02	SMP-2LJ-MC1-A-200	CL0321-0759-0-52	SMP-2LJ-MC1-A-200X		
16	CL0321-0759-0-03	SMP-2LJ-MC1-A-300	CL0321-0759-0-53	SMP-2LJ-MC1-A-300X		
17	CL0321-0837-0-01	UFLHF6-MMCXLP066N1-A500RS	CL0321-0837-0-51	UFLHF6-MMCXLP066N1-A500X		
18	CL0321-0837-0-04	UFLHF6-MMCXLP066N1-A200RS	CL0321-0837-0-54	UFLHF6-MMCXLP066N1-A200X		
19	CL0321-0837-0-05	UFLHF6-MMCXLP066N1-A150RS	CL0321-0837-0-55	UFLHF6-MMCXLP066N1-A150X		
20	CL0321-1352-0-01	ML51-2LP-DTR178-A-120RS	CL0321-1352-0-51	ML51-2LP-DTR178-A-120X		
21	CL0321-1720-0-01	HRMP-ML51LP-066J1-B-300	CL0321-1720-0-51	HRMP-ML51LP-066J1-B-300X		
22	CL0321-2782-0-01	MMCXAR-P.LP-DTR178-50X	CL0321-2782-0-51	MMCXAR-P.LP-DTR178-50X		
23	CL0321-2782-0-02	MMCXAR-P.LP-DTR178-150	CL0321-2782-0-52	MMCXAR-P.LP-DTR178-150X		
24	CL0321-2784-0-01	UM-P.LP-1.5DHV-A-360RS	CL0321-2784-0-51	UM-P.LP-1.5DHV-A-360X		
25	CL0321-3199-0-01	MMCX-2LP-068N2T-A-50RS	CL0321-3199-0-51	MMCX-2LP-068N2T-A-50X		
26	CL0321-3589-0-01	MMCX-2LP-316/U-A-100	CL0321-3589-0-51	MMCX-2LP-316/U-A-100X		
27	CL0321-3589-0-02	MMCX-2LP-316/U-A-200	CL0321-3589-0-52	MMCX-2LP-316/U-A-200X		
28	CL0321-3589-0-03	MMCX-2LP-316/U-A-300	CL0321-3589-0-53	MMCX-2LP-316/U-A-300X		
29	CL0321-3589-0-04	MMCX-2LP-316/U-A-400	CL0321-3589-0-54	MMCX-2LP-316/U-A-400X		
30	CL0321-3589-0-05	MMCX-2LP-316/U-A-500	CL0321-3589-0-55	MMCX-2LP-316/U-A-500X		
31	CL0321-3818-0-01	HRMJ-ML51LP-088N2T-A-100	CL0321-3818-0-51	HRMJ-ML51LP-088N2T-A-100X		
32	CL0321-4176-4-01	HRMPJ-MMCXLP-066N1-200RS	CL0321-4176-4-51	HRMPJ-MMCXLP-066N1-200X		
33	CL0321-4275-0-01	HWBPJ-MMCXLP088N2T-A150	CL0321-4275-0-51	HWBPJ-MMCXLP088N2T-A150X		
34	CL0321-4275-0-02	HWBPJ-MMCXLP088N2T-A100	CL0321-4275-0-52	HWBPJ-MMCXLP088N2T-A100X		
35	CL0321-4325-2-14	UM-2LP6-1.5DHW-AA-300RS	CL0321-4325-2-64	UM-2LP6-1.5DHW-AA-300X		
36	CL0321-4412-0-01	SMP-J.LJ-MC1-A-160	CL0321-4412-0-51	SMP-J.LJ-MC1-A-160X		
37	CL0321-4412-0-02	SMP-J.LJ-MC1-A-200	CL0321-4412-0-52	SMP-J.LJ-MC1-A-200X		
38	CL0321-4926-2-01	HRMP-ML51LP-DTR178-350RS	CL0321-4926-2-51	HRMP-ML51LP-DTR178-350X		
39	CL0321-4926-2-02	HRMP-ML51LP-DTR178-600RS	CL0321-4926-2-52	HRMP-ML51LP-DTR178-600X		
40	CL0321-4926-2-03	HRMP-ML51LP-DTR178-100RS	CL0321-4926-2-53	HRMP-ML51LP-DTR178-100X		
41	CL0321-4926-2-04	HRMP-ML51LP-DTR178-50RS	CL0321-4926-2-54	HRMP-ML51LP-DTR178-50X		
42	CL0321-4926-2-05	HRMP-ML51LP-DTR178-400RS	CL0321-4926-2-55	HRMP-ML51LP-DTR178-400X		
43	CL0321-4926-2-06	HRMP-ML51LP-DTR178-200RS	CL0321-4926-2-56	HRMP-ML51LP-DTR178-200X		
44	CL0321-4926-2-07	HRMP-ML51LP-DTR178-250RS	CL0321-4926-2-57	HRMP-ML51LP-DTR178-250X		
45	CL0321-4926-2-08	HRMP-ML51LP-DTR178-500RS	CL0321-4926-2-58	HRMP-ML51LP-DTR178-500X		
46	CL0321-4926-2-09	HRMP-ML51LP-DTR178-420RS	CL0321-4926-2-59	HRMP-ML51LP-DTR178-420X		
47	CL0321-4926-2-10	HRMP-ML51LP-DTR178-1500RS	CL0321-4926-2-60	HRMP-ML51LP-DTR178-1500X		
48	CL0321-4990-0-01	MMCX-2LP-066N1-A-500	CL0321-4990-0-51	MMCX-2LP-066N1-A-500X		
49	CL0321-4990-0-02	MMCX-2LP-066N1-A-85	CL0321-4990-0-52	MMCX-2LP-066N1-A-85X		
50	CL0321-5894-3-04	MMCXAR-2LP-066J1-A-170RS	CL0321-5894-3-54	MMCXAR-2LP-066J1-A-170X		
51	CL0321-5894-3-07	MMCXAR-2LP-066J1-A-300ARS	CL0321-5894-3-57	MMCXAR-2LP-066J1-A-300AX		
52	CL0321-5955-6-01	HRMP-MMCXLP-066N1-A-500RS	CL0321-5955-6-51	HRMP-MMCXLP-066N1-A-500X		
53	CL0321-6194-7-04	PO51MP-NUMLP-1.5W-A180ARS	CL0321-6194-7-54	PO51MP-NUMLP-1.5W-A180AX		
54	CL0321-6194-7-05	PO51MP-NUMLP-1.5W-A300ARS	CL0321-6194-7-55	PO51MP-NUMLP-1.5W-A300AX		
55	CL0321-6194-7-06	PO51MP-NUMLP-1.5W-A400ARS	CL0321-6194-7-56	PO51MP-NUMLP-1.5W-A400AX		
56	CL0321-6194-7-07	PO51MP-NUMLP-1.5W-A120ARS	CL0321-6194-7-57	PO51MP-NUMLP-1.5W-A120AX		
57	CL0321-6632-0-01	HRM-LP.PJ4-088N2PD-A450RS	CL0321-6632-0-51	HRM-LP.PJ4-088N2PD-A450X		
58	CL0323-0699-3-41	HRM-300-335B-1(41)	CL0323-0699-3-51	HRM-300-335B-1(41)X		
59	CL0323-0841-2-41	HRM-LP100-085BN-2(41)	CL0323-0841-2-51	HRM-LP100-085BN-2(41)X		
60	CL0323-0842-5-41	HRM-LP100-141BN-2(41)	CL0323-0842-5-51	HRM-LP100-141BN-2(41)X		
61	CL0323-0973-0-00	HRM-200-040LPBN	CL0323-0973-0-50	HRM-200-040LPBNX		
62	CL0326-0133-1-40	POB(M)-LP-85(40)	CL0326-0133-1-50	POB(M)-LP-85(40)X		
63	CL0327-0164-1-40	POD-LP-1.5DV-1(40)	CL0327-0164-1-50	POD-LP-1.5DV-1(40)X		
64	CL0328-0002-6-40	PO6-LP-196/U(40)	CL0328-0002-6-50	PO6-LP-196/U(40)X		
65	CL0328-0002-6-42	PO6-LP-196/U(42)	CL0328-0002-6-52	PO6-LP-196/U(42)X		
66	CL0328-0012-0-40	PO6-LR-PC(40)	CL0328-0012-0-50	PO6-LR-PC(40)X		
67	CL0328-0037-0-40	PO6-LP-1.5DQS(40)	CL0328-0037-0-50	PO6-LP-1.5DQS(40)X		
68	CL0328-0047-4-40	PO6-LP-1.5W(40)	CL0328-0047-4-50	PO6-LP-1.5W(40)X		
69	CL0330-0007-6-40	PO51-LP-1.5-A(40)	CL0330-0007-6-50	PO51-LP-1.5-A(40)X		
70	CL0330-0200-6-40	PO51-LP-1.5W-1A(40)	CL0330-0200-6-50	PO51-LP-1.5W-1A(40)X		
71	CL0330-0340-5-40	PO51M-LJ-1.5W(40)	CL0330-0340-5-50	PO51M-LJ-1.5W(40)X		
72	CL0330-0462-2-00	PO51M-LJ-1.5DQS-1	CL0330-0462-2-50	PO51M-LJ-1.5DQS-1X		
73	CL0334-0006-9-40	PL71-LP-1.5CW(40)	CL0334-0006-9-50	PL71-LP-1.5CW(40)X		
74	CL0334-0007-1-40	PL71-LP-1.5C(40)	CL0334-0007-1-50	PL71-LP-1.5C(40)X		
75	CL0334-0007-1-41	PL71-LP-1.5C(41)	CL0334-0007-1-51	PL71-LP-1.5C(41)X		
76	CL0336-0030-6-01	N.UM-QLP-FCCAVG1(01)	CL0336-0030-6-51	N.UM-QLP-FCCAVG1(01)X		
77	CL0336-0032-1-00	N.UM-QLP-1.5W-10	CL0336-0032-1-50	N.UM-QLP-1.5W-10X		
78	CL0336-0032-1-02	N.UM-QLP-1.5W-10(02)	CL0336-0032-1-52	N.UM-QLP-1.5W-10(02)X		
79	CL0336-0035-0-00	N.UM-QLP-1.5DQS	CL0336-0035-0-50	N.UM-QLP-1.5DQSX		
80	CL0336-0035-0-01	N.UM-QLP-1.5DQS(01)	CL0336-0035-0-51	N.UM-QLP-1.5DQS(01)X		
81	CL0336-0045-0-00	N.UM-QLP-1.5V-10	CL0336-0045-0-50	N.UM-QLP-1.5V-10X		
82	CL0337-0054-0-40	ML51-LP-DTR178-D(40)	CL0337-0054-0-50	ML51-LP-DTR178-D(40)X		

Lid shape:
Contact lens shape

Lid shape:
Concave
additional shape

■Product list PCN2025-03_Change in the Lid Shape of the Coaxial L-Type Connector

No.	Current product		Substitute proposal product		Remarks	
	Product code	Product name	Product code	Product name	Before	After
83	CL0338-0020-0-00	SMPM-LJ-090	CL0338-0020-0-50	SMPM-LJ-090X		
84	CL0338-0505-4-00	SMPM-LJ-FCCA1	CL0338-0505-4-50	SMPM-LJ-FCCA1X		
85	CL0338-0508-2-00	SMPM-LJ-FCCA2	CL0338-0508-2-50	SMPM-LJ-FCCA2X		
86	CL0338-1003-0-00	SMP-LJ-219-18G	CL0338-1003-0-50	SMP-LJ-219-18GX		
87	CL0338-1007-0-00	SMP-LJ-TFMMF-18G	CL0338-1007-0-50	SMP-LJ-TFMMF-18GX		
88	CL0338-1007-0-01	SMP-LJ-TFMMF-18G(01)	CL0338-1007-0-51	SMP-LJ-TFMMF-18G(01)X		
89	CL0338-1101-0-00	SMP-LJ-SF085	CL0338-1101-0-50	SMP-LJ-SF085X		
90	CL0339-0001-7-40	MMCX-LP-178B/U(40)	CL0339-0001-7-50	MMCX-LP-178B/U(40)X		
91	CL0339-0006-0-40	MMCX-LP-316/U(40)	CL0339-0006-0-50	MMCX-LP-316/U(40)X		
92	CL0339-0007-3-40	MMCX-LP-FHSB(40)	CL0339-0007-3-50	MMCX-LP-FHSB(40)X		
93	CL0339-0013-6-40	MMCX-LR-PC-1(40)	CL0339-0013-6-50	MMCX-LR-PC-1(40)X		
94	CL0339-0019-2-40	MMCX-LP-066(40)	CL0339-0019-2-50	MMCX-LP-066(40)X		
95	CL0339-0019-2-41	MMCX-LP-066(41)	CL0339-0019-2-51	MMCX-LP-066(41)X		
96	CL0339-0020-1-40	MMCX-LP-088(40)	CL0339-0020-1-50	MMCX-LP-088(40)X		
97	CL0339-0029-0-00	MMCX(AR)-LP-SF047	CL0339-0029-0-50	MMCX(AR)-LP-SF047X		
98	CL0339-0031-8-00	MMCX(AR)-LP-066	CL0339-0031-8-50	MMCX(AR)-LP-066X		
99	CL0339-0033-3-00	MMCX(AR)-LP-178B/U	CL0339-0033-3-50	MMCX(AR)-LP-178B/UX		
100	CL0339-0035-9-00	MMCX(AR)-LP-FHSB	CL0339-0035-9-50	MMCX(AR)-LP-FHSBX		
101	CL0339-0041-0-00	MMCX(AR)-LP-088	CL0339-0041-0-50	MMCX(AR)-LP-088X		
102	CL0339-0042-0-00	MMCX(AR)-LP-SF085	CL0339-0042-0-50	MMCX(AR)-LP-SF085X		
103	CL0358-0008-0-00	MS-190-040LP-H1	CL0358-0008-0-50	MS-190-040LP-H1X		
104	CL0358-0155-9-00	MS-147-C(LP)-1	CL0358-0155-9-50	MS-147-C(LP)-1X		
105	CL0358-0173-0-00	MS-156-C(LP)-1	CL0358-0173-0-50	MS-156-C(LP)-1X		
106	CL0358-0174-3-00	MS-156-C(LP)-2	CL0358-0174-3-50	MS-156-C(LP)-2X		
107	CL0358-0182-1-00	MS-147-C(LP)-4	CL0358-0182-1-50	MS-147-C(LP)-4X		
108	CL0358-0222-4-00	MS-162-C(LP)-1	CL0358-0222-4-50	MS-162-C(LP)-1X		
109	CL0358-0268-5-00	MS-156-088LP-H1	CL0358-0268-5-50	MS-156-088LP-H1X		
110	CL0358-0269-8-00	MS-180-088LP-H1	CL0358-0269-8-50	MS-180-088LP-H1X		
111	CL0358-0275-0-00	MS-156-088LP-H2	CL0358-0275-0-50	MS-156-088LP-H2X		
112	CL0358-0304-7-00	MS-180LR-HRMJ-1	CL0358-0304-7-50	MS-180LR-HRMJ-1X		
113	CL0358-0319-4-00	MS-180-040LP-H3	CL0358-0319-4-50	MS-180-040LP-H3X		
114	CL0362-0008-0-00	MS156LH2-HRMJ-088V150A	CL0362-0008-0-50	MS156LH2-HRMJ-088V150AX		
115	CL0362-0010-0-00	MS156LH2-HRMP-088V100	CL0362-0010-0-50	MS156LH2-HRMP-088V100X		
116	CL0362-0016-0-01	MS190LH1-HRMJ-040V100	CL0362-0016-0-51	MS190LH1-HRMJ-040V100X		
117	CL0362-0016-0-03	MS190LH1-HRMJ-040V300	CL0362-0016-0-53	MS190LH1-HRMJ-040V300X		
118	CL0362-0017-0-01	MS156LH2-HRMJ-088V100	CL0362-0017-0-51	MS156LH2-HRMJ-088V100X		
119	CL0362-0017-0-03	MS156LH2-HRMJ-088V200B	CL0362-0017-0-53	MS156LH2-HRMJ-088V200BX		
120	CL0362-0019-0-03	MS156LH2-HRMP-088V300	CL0362-0019-0-53	MS156LH2-HRMP-088V300X		
121	CL0362-0058-0-05	MS156LH2-088V500	CL0362-0058-0-55	MS156LH2-088V500X		
122	CL0362-0133-5-00	MS156L2-HRMJ-15W300	CL0362-0133-5-50	MS156L2-HRMJ-15W300X		
123	CL0362-0135-0-00	MS156L2-HRMJ-15W150	CL0362-0135-0-50	MS156L2-HRMJ-15W150X		
124	CL0362-0138-9-00	MS162L1-HRMP-15W350	CL0362-0138-9-50	MS162L1-HRMP-15W350X		
125	CL0362-0152-0-00	MS156LH1-HRMJ-088V300	CL0362-0152-0-50	MS156LH1-HRMJ-088V300X		
126	CL0362-0154-5-00	MS156LH1-HRMP-088V300	CL0362-0154-5-50	MS156LH1-HRMP-088V300X		
127	CL0362-0162-3-00	MS156LH1-HRMJ-088V100	CL0362-0162-3-50	MS156LH1-HRMJ-088V100X		
128	CL0362-0165-1-00	MS180LH1-HRMJ-088V300	CL0362-0165-1-50	MS180LH1-HRMJ-088V300X		
129	CL0362-0176-8-00	MS156LH2-HRMJ-088V130A	CL0362-0176-8-50	MS156LH2-HRMJ-088V130AX		
130	CL0362-0179-6-00	MS156LH2-HRMJ-088V300A	CL0362-0179-6-50	MS156LH2-HRMJ-088V300AX		
131	CL0362-0195-2-00	MS156LH2-HRMP-088V250	CL0362-0195-2-50	MS156LH2-HRMP-088V250X		
132	CL0362-0222-3-01	MS156LH1-HRMJ-088V100A	CL0362-0222-3-51	MS156LH1-HRMJ-088V100AX		
133	CL0362-0222-3-02	MS156LH1-HRMJ-088V200	CL0362-0222-3-52	MS156LH1-HRMJ-088V200X		
134	CL0362-0222-3-03	MS156LH1-HRMJ-088V300A	CL0362-0222-3-53	MS156LH1-HRMJ-088V300AX		
135	CL0362-0222-3-04	MS156LH1-HRMJ-088V400	CL0362-0222-3-54	MS156LH1-HRMJ-088V400X		
136	CL0362-0222-3-08	MS156LH1-HRMJ-088V150	CL0362-0222-3-58	MS156LH1-HRMJ-088V150X		
137	CL0362-0223-6-01	MS180LH1-HRMJ-088V100	CL0362-0223-6-51	MS180LH1-HRMJ-088V100X		
138	CL0362-0223-6-07	MS180LH1-HRMJ-088V150	CL0362-0223-6-57	MS180LH1-HRMJ-088V150X		
139	CL0362-0224-9-01	MS180LH3-HRMJ-040V100	CL0362-0224-9-51	MS180LH3-HRMJ-040V100X		
140	CL0362-0224-9-02	MS180LH3-HRMJ-040V200	CL0362-0224-9-52	MS180LH3-HRMJ-040V200X		
141	CL0362-0224-9-03	MS180LH3-HRMJ-040V300A	CL0362-0224-9-53	MS180LH3-HRMJ-040V300AX		
142	CL0362-0904-3-00	MS156LH2-HRMJ-088V300B	CL0362-0904-3-50	MS156LH2-HRMJ-088V300BX		
143	CL0362-0906-9-07	MS156L1-HRMP-15W250	CL0362-0906-9-57	MS156L1-HRMP-15W250X		
144	CL0362-0918-8-01	MS156LH1-HRMP-088V100A	CL0362-0918-8-51	MS156LH1-HRMP-088V100AX		
145	CL0362-0918-8-02	MS156LH1-HRMP-088V200	CL0362-0918-8-52	MS156LH1-HRMP-088V200X		
146	CL0362-0918-8-03	MS156LH1-HRMP-088V300A	CL0362-0918-8-53	MS156LH1-HRMP-088V300AX		
147	CL0362-0918-8-04	MS156LH1-HRMP-088V400	CL0362-0918-8-54	MS156LH1-HRMP-088V400X		
148	CL0362-0918-8-05	MS156LH1-HRMP-088V500A	CL0362-0918-8-55	MS156LH1-HRMP-088V500AX		
149	CL0362-0918-8-06	MS156LH1-HRMP-088V600	CL0362-0918-8-56	MS156LH1-HRMP-088V600X		
150	CL0362-0918-8-08	MS156LH1-HRMP-088V1522	CL0362-0918-8-58	MS156LH1-HRMP-088V1522X		
151	CL0362-0918-8-09	MS156LH1-HRMP-088V1000A	CL0362-0918-8-59	MS156LH1-HRMP-088V1000AX		
152	CL0362-0918-8-10	MS156LH1-HRMP-088V250	CL0362-0918-8-60	MS156LH1-HRMP-088V250X		

Lid shape:
Contact lens shape

Lid shape:
Concave
additional shape

Explanation Document for Lid Shape Change of Coaxial L-Type Connectors

Hirose Electric Co., Ltd.

Engineering Group

Industry Division

Coaxial Connector Engineering Section

Reason for the change

We will implement a shape change for the metal lids with a lens shape in the press-processed products. The change aims to improve quality and productivity.

In our plating process (barrel plating), there was a risk of plating defects because the current shape of the lids could stick together when overlapped, preventing the plating solution from penetrating the stuck areas.

With the new shape of the lids, even if they overlap, they will not stick together, eliminating the risk of plating defects.

Current product : Contact lens shape

When overlapped, there were no gaps, and due to the influence of processing oil and static electricity, they would stick together. As a result, there was a risk of plating defects occurring.



【Cross-sectional
image diagram】

they stick together when overlapped



Replacement product : Concave additional shape

By changing the shape, a gap of at least 0.05 will be created, allowing for stable quality production.



0.05MIN.

【Cross-sectional
image diagram】

they do not stick together even when overlapped



*The difference in color is due to the difference in plating.

Change Details (Shape Photos)

There are six sizes of lids that will undergo shape changes (lid outer diameters: $\phi 2.55/2.95/3.66/4.28/4.75/5.95$). Below are the shape photos of two representative sizes (lid outer diameters: $\phi 2.55/5.95$) before and after assembly (lid crimping).

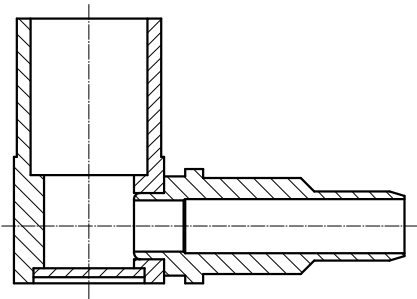
We sell tools for crimping the lids, and the same tools can be used even after the shape change. (The photos below show the lids crimped using our specified tools.) We compared the retention force after crushing the lid before and after the shape modification, and found that the retention force remained approximately the same.

	Lid outer diameter $\phi 2.55$ *The <u>smallest size</u> of the target products this time.		Lid outer diameter $\phi 5.95$ *The <u>largest size</u> of the target products this time.	
	Current product	Replacement product	Current product	Replacement product
Before assembly				
After assembly				
*The difference in color is due to the difference in plating.				

Comparison of holding force

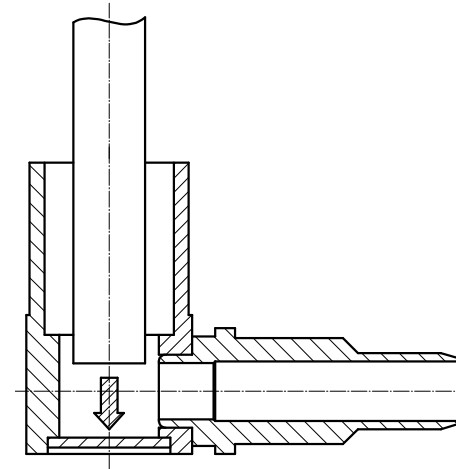
The results of comparing the holding force after lid press-fitting for both the current product and the alternative product are as follows.

◆ Test method



Press-fitting the lid onto the product

⇒



Check the maximum load when a steel rod is pressed down at 10mm/min until the lid falls off.

◆ Test results

Lid outer diameter	Fixing force (N)	
	Current product	Replacement product
φ2.55	22.8	21.9
φ2.95	32.1	30.5
φ3.66	31.0	32.5
φ4.28	28.5	27.9
φ4.75	25.1	24.7
φ5.95	43.2	42.9

Product performance comparison

The results of the product performance comparison between the current product and the alternative product are as follows.

◆ Test method

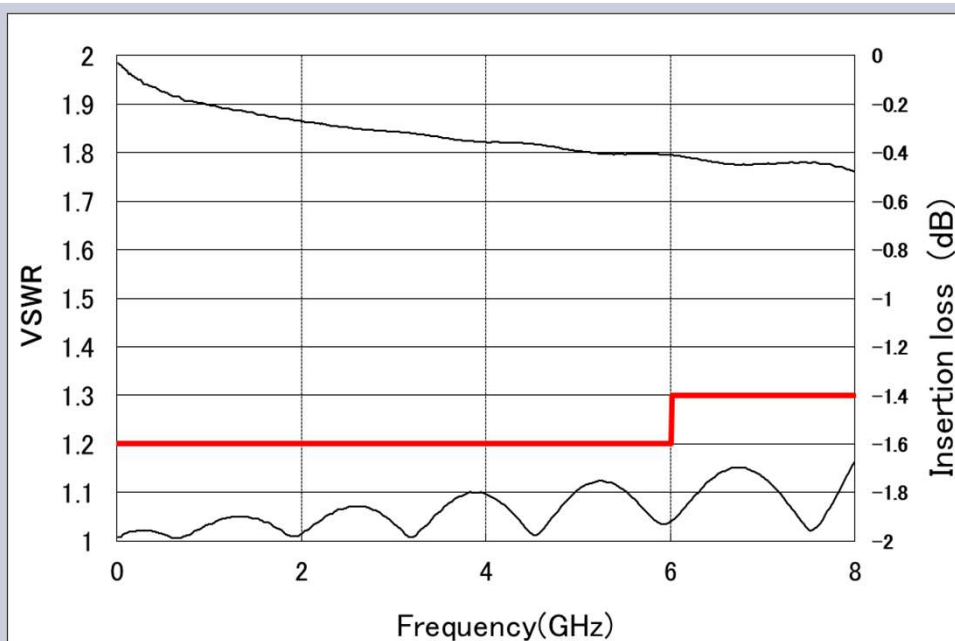
Confirmed with the MMCX-LP-178B/U double-ended harness using a lid outer diameter of $\phi 2.95$.

【Specification】 Frequency : V.S.W.R. 1.2 or less at 0 to 6 GHz

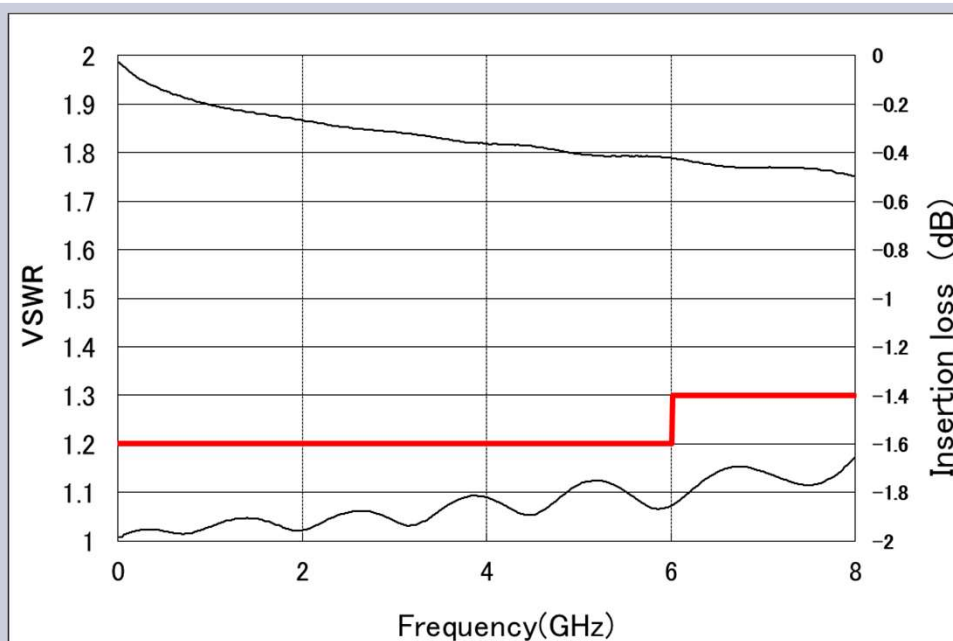
Frequency : V.S.W.R. 1.3 or less at 6 to 8 GHz

◆ Test results

Current product



Replacement product



*The red line indicates the standard value.



Acknowledgement

(Customer → Hirose Electric business representative)

Change in the Lid Shape of the Coaxial L-Type Connector

We acknowledge the changes and schedule of this notification.

Customer's name: _____

Acknowledgement stamp (or signature): _____

HIROSE ELECTRIC CO., LTD.

(Cut on this line)

Document Receipt

(Customer → Hirose Electric business representative)

Change in the Lid Shape of the Coaxial L-Type Connector

We received the document concerning the above.

Customer's name: _____

Acknowledgment stamp (or signature): _____

HIROSE ELECTRIC CO., LTD.