

CHANGE ORDER

Form: 9-PR-0014-9-FO-0001

Version: 1

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Record No.: 9-PR-0014-9-FO-0001-9-RC-0049

Title: Reduce checking cord/cable appearance at QC App for normal MPO products.

Proposed by (Change Owner): Bichtramn

Date: 23-Jul-24

10764

A - CHANGE INFORMATION:

A.1 Change category:

- ☐ Man
 ☐ Material
 ☒ Method/Document
 ☐ Machine, Tool/Jig
☐ Process
 ☐ Supplier
 ☐ Factory/Section
 ☐ Others:

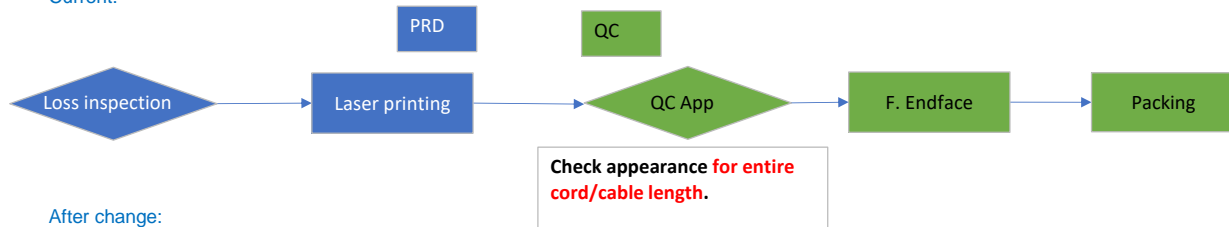
Customer requirement/Agreement related

☒ NO☐ YES☐ Need customer's approval☐ Need notification to customer☒ No need customer's approval/notification to customer

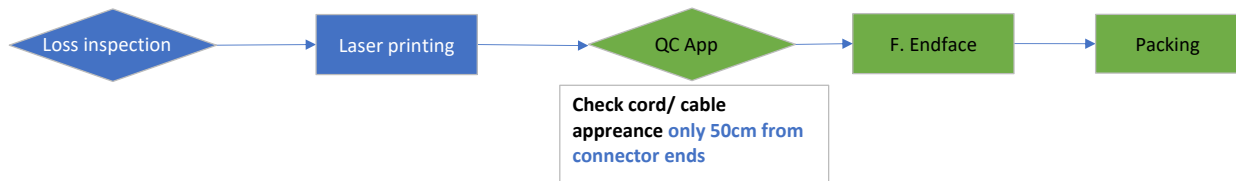
A.2 Change description:

Currently, all MPO products are checking cord appearance which takes a lot of time. So we propose to reduce checking cord appearance from entire cable length to 50cm from connector ends.

Current:



After change:



A.3 Application scope:

Apply for MPO cord/cable products, excepting MPO fiber ribbon products.

A.4 Change reason:

- For 3 years, all cord/cable deformation which judged as NG were found in 50cm length from the connectors end.
- After cutting almost cord/cable length is fix as coil, low risk to be deformed during production processes. 50 cm length from the connector end is the highest risk zone so we still keep appearance inspection.
- Expand method from connector line because we have similar structure and process design such as: products hanger, rule of handling products, cord/cable properties.
- If applying this method, we can reduce 670 USD/year.

B - RISK ASSESSMENT

* Changes concerning to processes under scope of FMEA:

FMEA review

☒ Yes☐ No, Reason:

Review result:

FMEA No. & Current version	FMEA name	Result	New version (in case "Update")
0-PR-012-0-FO-001-4-RC-0071 ver 11	P-FMEA OF MPO PRODUCT	Update	12

* Other changes:

No.	Risk	Action to address risk	PIC	Due date	Status
1	None				

"Confidential: FOV's property, do not take out without FOV BOM's approval"

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C - CHANGE CONTROL:

C.1 Change verification

☐ Yes ☒ No, reason : this change does not affect to manufacture process.

Trial run/test result record (Technical report no.).....

C.2 Document review

☒ Yes ☐ No, reason :

No.	Document No. & Current version	Document name	New version	Actual completion date
	Refer Appendix 1			

C.3 Training requirement

☐ Yes ☒ No

☐ Re-train, not update qualification record

☐ Re-train, update qualification record

Training record No./Meeting minutes:

C.4 Initial Control


☐ Yes ☒ No

Initial control plan No.:

Initial control completion report No.:

D - CHANGE APPROVAL/NOTIFICATION:

D.1 Manager's approval:

Signature:  Date: 27-Jul-2024

Comment:

D.2 Dept Manager upwards' approval:

Signature: N/A Date:

Comment:

D.3 Customer's approval:

Signature: Date:

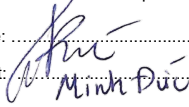
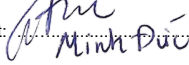
Comment:

E - CHANGE IMPLEMENTATION:

Confirm implementation completed & closing:

Change already applied from (date or ID# or PO#): 20-Aug-2024

Manager confirm:

All required actions are completed ☒Signature:  Date: 20-Sep-24Comment: 

Appendix 1 of Change Order 9-PR-0014-9-FO-0001-9-RC-0049

No.	Document No. & Current version	Document name	New version	Actual completion date
1	4-OP-0179 ver 6	MPO TRUNK CABLE	7	8/14/2024
2	4-OP-0252 ver 9	MPO Fanout Product	10	8/5/2024
3	4-OP-0318 ver 9	12MPO Jumper cord	10	8/5/2024
4	4-QC-0179 ver 9	MPO TRUNK CABLE PRODUCT	10	8/5/2024
5	4-QC-0252 ver 8	MPO Fanout Product	9	8/5/2024
6	4-QC-0318 ver 8	MPO Jumper & Pigtail product	9	8/5/2024
7	4-QC-0179-9-PS-021-0025 ver6	PS of QC inspection	6	8/20/2024
8	4-QC-0179-9-PS-021-0026 ver6	PS of QC inspection	6	8/20/2024
9	4-QC-0179-9-PS-021-0037 ver5	PS of QC inspection	5	8/20/2024
10	4-QC-0179-9-PS-021-0038 ver7	PS of QC inspection	7	8/20/2024
11	4-QC-0179-9-PS-021-0039 ver5	PS of QC inspection	5	8/20/2024
12	4-QC-0179-9-PS-021-0043 ver2	PS of QC inspection	2	8/20/2024
13	4-QC-0179-9-PS-021-0044 ver2	PS of QC inspection	2	8/20/2024
14	4-QC-0179-9-PS-021-0045 ver6	PS of QC inspection	6	8/20/2024
15	4-QC-0179-9-PS-021-0049 ver1	PS of QC inspection	1	8/20/2024
16	4-QC-0179-9-PS-021-0050 ver1	PS of QC inspection	1	8/20/2024
17	4-QC-0179-9-PS-021-0051 ver1	PS of QC inspection	1	8/20/2024
18	4-QC-0179-9-PS-021-0053 ver1	PS of QC inspection	1	8/20/2024
19	4-QC-0246-9-PS-021-0029 ver1	PS of QC inspection	1	8/20/2024
20	4-QC-0252-9-PS-021-0016 ver13	PS of QC inspection	13	8/20/2024
21	4-QC-0252-9-PS-021-0031 ver2	PS of QC inspection	2	8/20/2024
22	4-QC-0252-9-PS-021-0046 ver4	PS of QC inspection	4	8/20/2024
23	4-QC-0252-9-PS-021-0063 ver3	PS of QC inspection	3	8/20/2024
24	4-QC-0252-9-PS-021-0065 ver2	PS of QC inspection	2	8/20/2024
25	4-QC-0252-9-PS-021-0067 ver2	PS of QC inspection	2	8/20/2024
26	4-QC-0252-9-PS-021-0069 ver2	PS of QC inspection	2	8/20/2024
27	4-QC-0252-9-PS-021-0070 ver2	PS of QC inspection	2	8/20/2024
28	4-QC-0252-9-PS-021-0073 ver1	PS of QC inspection	1	8/20/2024
29	4-QC-0318-9-PS-021-0032 ver4	PS of QC inspection	4	8/20/2024
30	4-QC-0318-9-PS-021-0033 ver4	PS of QC inspection	4	8/20/2024
31	4-QC-0318-9-PS-021-0037 ver5	PS of QC inspection	5	8/20/2024
32	4-QC-0318-9-PS-021-0050 ver3	PS of QC inspection	3	8/20/2024
33	4-QC-0318-9-PS-021-0051 ver2	PS of QC inspection	2	8/20/2024
34	4-QC-0318-9-PS-021-0066 ver1	PS of QC inspection	1	8/20/2024
35	4-QC-0318-9-PS-021-0067 ver1	PS of QC inspection	1	8/20/2024
36	4-QC-0318-9-PS-021-0069 ver2	PS of QC inspection	2	8/20/2024
37	4-QC-0318-9-PS-021-0070 ver1	PS of QC inspection	1	8/20/2024
38	4-QC-0318-9-PS-021-0071 ver1	PS of QC inspection	1	8/20/2024
39	4-QC-0318-9-PS-021-0072 ver1	PS of QC inspection	1	8/20/2024