

REVISIONS

| ECN NO | DATE | REVISION | DESCRIPTION | CHANGER |
|-----------|------------|----------|---|---------|
| | SEP 07,09 | A | INITIAL RELEASE | JOE XIE |
| CY14-6401 | 2014/03/31 | B | 1. CHANGE SHELL 2. CHANGE CONNECTOR | AHOU |
| CY15-6131 | 2015/06/12 | C | CHANGE MINI DP PLUG SIDE CONNECTOR, INNER MOLD AND OUTER MOLD | AHOU |

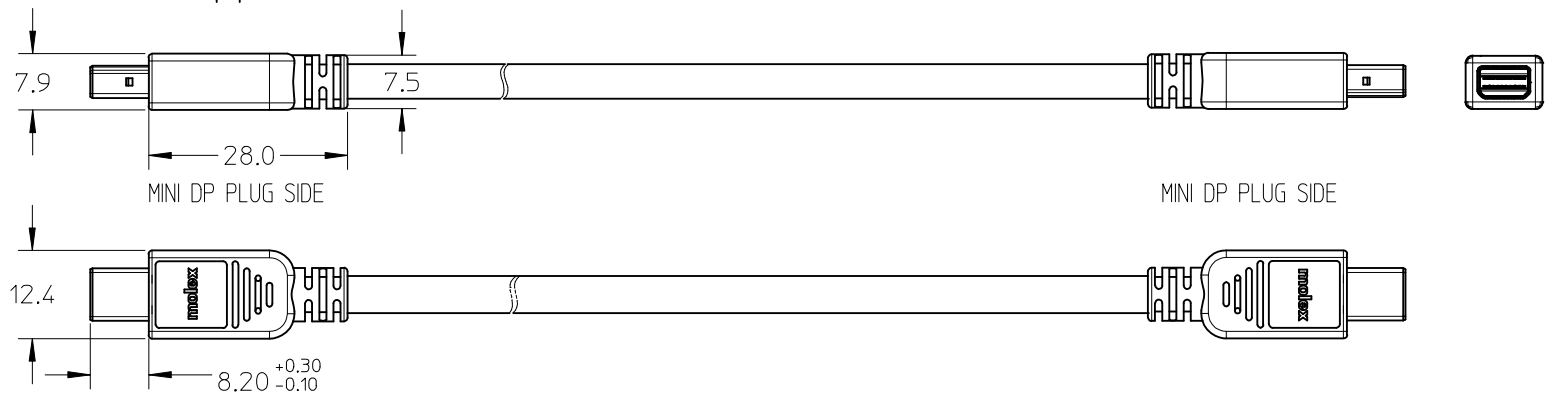
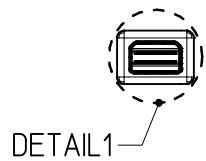
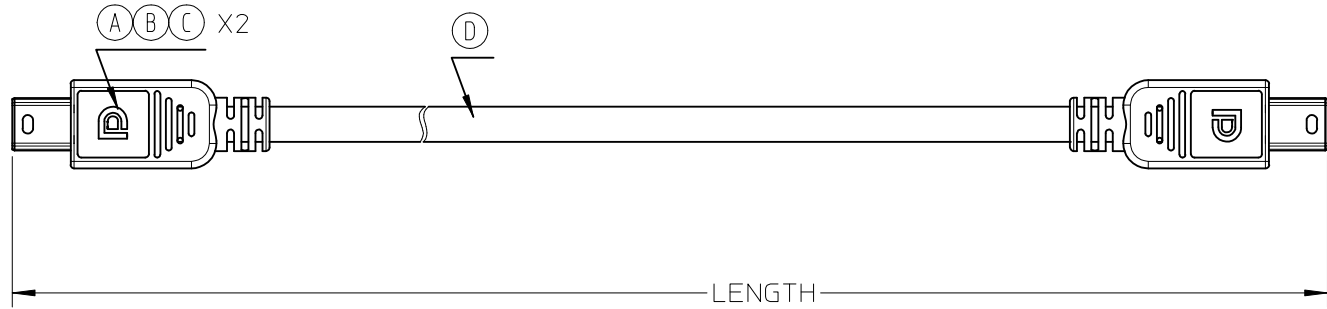
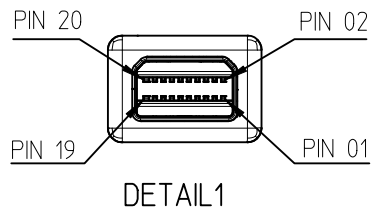


TABLE-1:

| | |
|-----------|---------|
| 687850006 | 2000±40 |
| 687850005 | 1500±30 |
| 687850004 | 1000±20 |
| PART NO. | LENGTH |

| | | | | | | | | | | |
|--|--|--------------------|--|---------------------------------------|-------|---|--------------------|--|------------------------|--------------------------|
| EC NO: CPG2015-6538 DRWN: XJGU001 CHKD: AHOU APPR: FJIE | 2015/06/19 2015/06/19 2015/06/23 | DESCRIPTION REV | QUALITY SYMBOLS ▽=0 ◁=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE ---- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | | | mm | INCH | DRAWN BY JASON.LU | DATE 2009.02.06 | TITLE MINIDP PLUG TO MINIDP PLUG CABLE ASSY | | |
| | | | | 4 PLACES ± --- | ± --- | CHECKED BY CHRIS | DATE 2009.02.06 | | | |
| | | | | 3 PLACES ± --- | ± --- | APPROVED BY | | DATE | | molex MOLEX INCORPORATED |
| 2 PLACES ± 0.25 | | ± --- | MATERIAL NO. SEE TABLE-1 | | | DOCUMENT NO. SD-68785-0004 | | SHEET NO. 1 OF 2 | | |
| 1 PLACE ± 0.50 | | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |
| ANGULAR ± 3 ° | | | | | | | | | | |

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WIRING DIAGRAM

| MINI DP PLUG SOURCE SIDE | FUNCTION | MINI DP PLUG SINK SIDE |
|--------------------------|-----------------|------------------------|
| PIN 01 | GROUND | PIN 08 |
| PIN 03 | ML0+ | PIN 12 |
| PIN 05 | ML0- | PIN 10 |
| PIN 07 | GROUND | PIN 13 |
| PIN 09 | ML1+ | PIN 17 |
| PIN 11 | ML1- | PIN 15 |
| PIN 13 | GROUND | PIN 07 |
| PIN 15 | ML2+ | PIN 11 |
| PIN 17 | ML2- | PIN 09 |
| PIN 19 | GROUND | PIN 19 |
| PIN 02 | HOT PLUG DETECT | PIN 02 |
| PIN 04 | CONFIG 1 | PIN 04 |
| PIN 06 | CONFIG 2 | PIN 06 |
| PIN 08 | GROUND | PIN 01 |
| PIN 10 | ML3+ | PIN 05 |
| PIN 12 | ML3- | PIN 03 |
| PIN 14 | GROUND | PIN 14 |
| PIN 16 | AUX+ | PIN 16 |
| PIN 18 | AUX- | PIN 18 |
| PIN 20 | NO CONNECTION | PIN 20 |
| SHELL | GROUND | SHELL |

NOTES:

1. MATERIALS:

OVERMOLD: PVC, COLOR BLACK, UL94-V0.

CABLE: PVC JACKET, BLACK, UL94-VW-1.

HOUSING: HIGH TEMPERATURE THERMOPLASTIC.

TERMINAL: COPPER ALLOY, GOLD PLATING, NICKEL UNDERPLATE.

SHELL: COPPER ALLOY, NICKEL PLATING.

2. ELECTRICAL PROPERTY:

3.1 APPLIED VOLTAGE RATING: 40V AC (RMS).

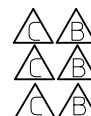
3.2 CURRENT RATING: 0.5A.

3.3 DIELECTRIC WITHSTAND: 300V.

3.4 INSULATION RESISTANCE: 100M OHM (UNMATING),
10M OHM (MATING).

3. OPERATION TEMPERATURE: -20°C TO +80°C.

4. THE PRODUCT COMPLIANT TO MOLEX ES-40000-5016.



| ITEM | DESCRIPTION | MATERIAL | USAGE |
|------|--|----------|-------|
| D | MINI DP CABLE | --- | --- |
| C | Double Elec.PRE-CUT C.FOIL 35X18mm T=25u | --- | 2 PCS |
| B | wire holder 34AWG DP mini-DP to mini-DP | --- | 2 PCS |
| A | auto-soldering type Mini-DP, 15u plated | --- | 2 PCS |

| | | | | | | | | | | |
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| | | ANGULAR ± 3 ° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | |

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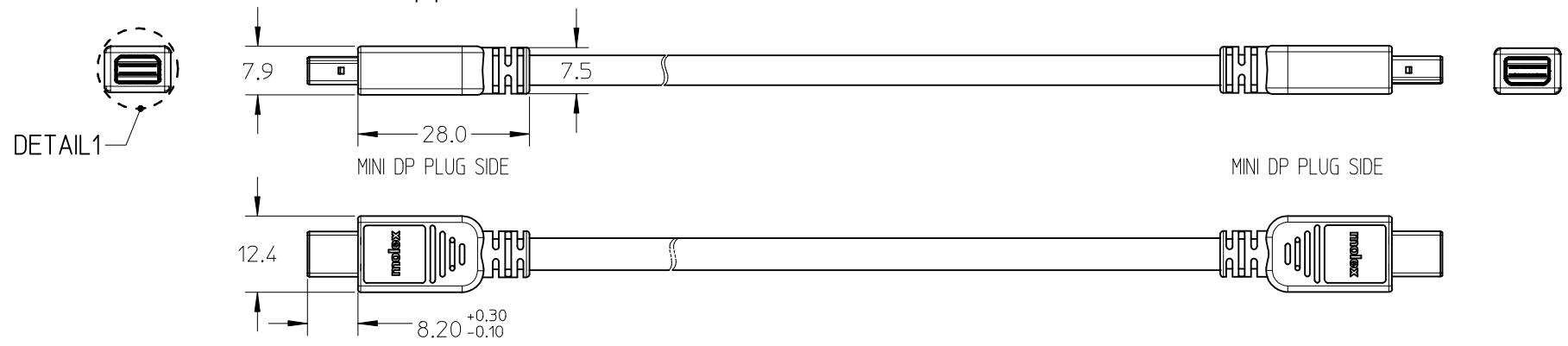
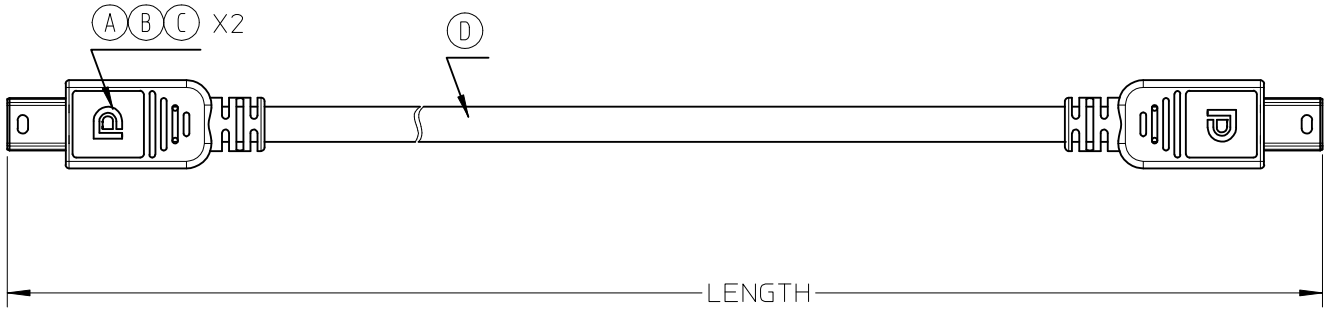
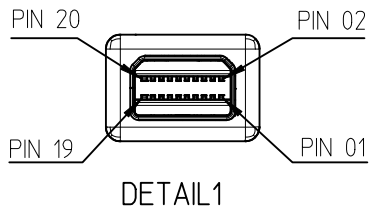


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