

| | | | | | | | | | | | | | | | |
|---|----|--------------|----|---------------------|----|-------|----|------------------------|------|-------|-------------|------------------|---------|-------|----|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
| CUSTOMER NAME | | CUSTOMER P/N | | FREEPORT P/N | | | | REV | ZONE | LTR | DESCRIPTION | DATE | REVISER | APPD | |
| ALL | | | | 18-9420B008 | | | | | | | | | | | |
| RoHS Compliant | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| <p>ORDERING INFORMATION:</p> <p>18-9420B008 - * * * * - ****</p> <p>(1) (2) (3)(4)(5)(6) (7)</p> <p>(1) SERIES NUMBER: 18 : CABLE SERIES</p> <p>(2) SEQUENCE NO. 9420B008:MINI DP PLUG TO DISPLAYPORT RECEPTACLE SHORT CABLE.</p> <p>(3) OUTER COVER & CABLE COLOR CODES: 4: WHITE</p> <p>(4) PLATING OF CONTACT & SHELL : 4 : CONTACT: 15u";SHELL: PLATED NIKEL</p> <p>(5) LOGO CODE : N: WITHOUT LOGO</p> <p>(6) CABLE SPEC(AWG) : 3: 32AWG;</p> <p>(7) LENGTH + UNIT CODE: cm: CENTIMETER EX — 20cm: 20CENTIMETER.</p> | | | | | | | | | | | | | | | |
| PIN ASSIGNMENT: | | | | | | | | | | | | | | | |
| MINI DP PLUG | | | | | | | | DISPLAYPORT RECEPTACLE | | | | | | | |
| [ML_Lane 0(p)] | 3 | | 1 | [ML_Lane 0(p)] | 3 | | 1 | [ML_Lane 0(n)] | 5 | | 3 | [ML_Lane 0(n)] | 3 | | 1 |
| [ML_Lane 0(n)] | 5 | | 3 | [ML_Lane 1(p)] | 9 | | 4 | [ML_Lane 1(p)] | 11 | | 6 | [ML_Lane 1(n)] | 6 | | 2 |
| [GND] | 1 | | 2 | [ML_Lane 1(n)] | 11 | | 6 | [ML_Lane 1(n)] | 7 | | 5 | [GND] | 8 | | 7 |
| [ML_Lane 1(p)] | 9 | | 4 | [GND] | 7 | | 5 | [GND] | 15 | | 7 | [ML_Lane 2(p)] | 9 | | 9 |
| [ML_Lane 1(n)] | 11 | | 6 | [ML_Lane 2(p)] | 15 | | 7 | [ML_Lane 2(p)] | 17 | | 9 | [ML_Lane 2(n)] | 11 | | 11 |
| [GND] | 7 | | 5 | [ML_Lane 2(n)] | 17 | | 9 | [ML_Lane 2(n)] | 13 | | 8 | [GND] | 12 | | 10 |
| [ML_Lane 2(p)] | 15 | | 7 | [GND] | 13 | | 8 | [GND] | 10 | | 10 | [ML_Lane 3(p)] | 12 | | 12 |
| [ML_Lane 2(n)] | 17 | | 9 | [ML_Lane 3(p)] | 10 | | 10 | [ML_Lane 3(p)] | 12 | | 12 | [ML_Lane 3(n)] | 8 | | 11 |
| [GND] | 13 | | 8 | [ML_Lane 3(n)] | 12 | | 11 | [ML_Lane 3(n)] | 8 | | 8 | [GND] | 16 | | 15 |
| [ML_Lane 3(p)] | 10 | | 10 | [AUX_CH(p)] | 16 | | 15 | [AUX_CH(p)] | 18 | | 17 | [AUX_CH(n)] | 14 | | 16 |
| [ML_Lane 3(n)] | 12 | | 11 | [AUX_CH(n)] | 18 | | 17 | [AUX_CH(n)] | 14 | | 14 | [GND] | 19 | | 19 |
| [GND] | 8 | | 11 | [GND] | 14 | | 16 | [GND] | 19 | | 19 | [GND] | 20 | | 20 |
| [AUX_CH(p)] | 16 | | 15 | [Hot Plug Detect] | 2 | 32AWG | 18 | [Hot Plug Detect] | 2 | 32AWG | 4 | [CONFIG 1] | 6 | 32AWG | 14 |
| [AUX_CH(n)] | 18 | | 17 | [CONFIG 1] | 4 | 32AWG | 13 | [CONFIG 1] | 4 | 32AWG | 6 | [CONFIG 2] | 19 | 28AWG | 19 |
| [GND] | 14 | | 16 | [CONFIG 2] | 6 | 32AWG | 14 | [CONFIG 2] | 19 | 28AWG | 19 | [GND] | 20 | | 20 |
| [Hot Plug Detect] | 2 | 32AWG | 18 | [GND] | 19 | 28AWG | 19 | [GND] | 20 | | 20 | [DP PWR] | | | |
| [CONFIG 1] | 4 | 32AWG | 13 | [DP PWR] | 20 | | 20 | [DP PWR] | | | | [SHELL] | | | |
| [CONFIG 2] | 6 | 32AWG | 14 | [SHELL] | | | | [SHELL] | | | | | | | |
| [GND] | 19 | 28AWG | 19 | | | | | | | | | | | | |
| [DP PWR] | 20 | | 20 | | | | | | | | | | | | |

Electrical character:
a. 100% open & short testing.
b. Withstanding voltage: DC 300V 0.01Sec.
c. Insulation resistance: 10M Ohm(Min).
d. Conductive resistance: 2 Ohm(Max).
e. Function Test: by PC and monitor 1920*1200P 60Hz test pass.

| 6 | OUTER COVER | DISPLAYPORT RECEPTACLE CONNECTOR ABS OUTER COVER | |
|-----|-------------|--|------|
| 5 | CONNECTOR 2 | DISPLAYPORT RECEPTACLE | |
| 4 | SR | PVC | |
| 3 | OUTER COVER | MINI DP CONNECTOR ABS OUTER COVER | |
| 2 | CONNECTOR 1 | MINI DP CONNECTOR PLUG | |
| 1 | CABLE | UL20276 DISPLAYPORT CABLE IMPEDANCE:100 Ohm | |
| NO. | PART NAME | SPEC DESCRIPTION | NOTE |

| | | | | |
|-----------------------------|----------------------------|---|-------|-------|
| | TOLERANCE UNLESS SPECIFIED | | | |
| | ± | ± 0.1 | SCALE | UNIT |
| | ± | ± 0.38 | NON | mm |
| | ANGLE | ± | | |
| DRAWN: Haikao 2012/08/11 | | NAME | | SHEET |
| DESIGNER: Haikao 2012/08/11 | | Mini DisplayPort plug to DisplayPort Receptacle cable | | |
| CHECKED: Magic 2012/08/11 | | DRAWING NO. | | REV |
| APPROVED: Dived 2012/08/11 | | 18-9420B008 | | 1.0 |