

| MOLEX P/N  | LENGTH (M) | LENGTH TOLERANCE (mm) | AWG |
|------------|------------|-----------------------|-----|
| 1110751000 | 0.5        | ±25                   | 30  |
| 1110751001 | 1.0        | ±50                   | 30  |
| 1110751125 | 1.2        | ±50                   | 30  |
| 1110751160 | 1.45       | ±50                   | 30  |
| 1110753112 | 1.5        | ±50                   | 30  |
| 1110751185 | 1.8        | ±50                   | 30  |
| 1110751002 | 2.0        | ±50                   | 30  |
| 1110751025 | 2.5        | ±50                   | 28  |
| 1110751003 | 3.0        | ±100                  | 28  |
| 1110751026 | 3.5        | ±100                  | 28  |
| 1110751004 | 4.0        | ±100                  | 26  |
| 1110751005 | 5.0        | ±100                  | 26  |
| 1110751027 | 5.5        | ±100                  | 26  |
| 1110751006 | 6.0        | ±100                  | 26  |
| 1110751007 | 7.0        | ±150                  | 24  |
| 1110751008 | 8.0        | ±150                  | 24  |

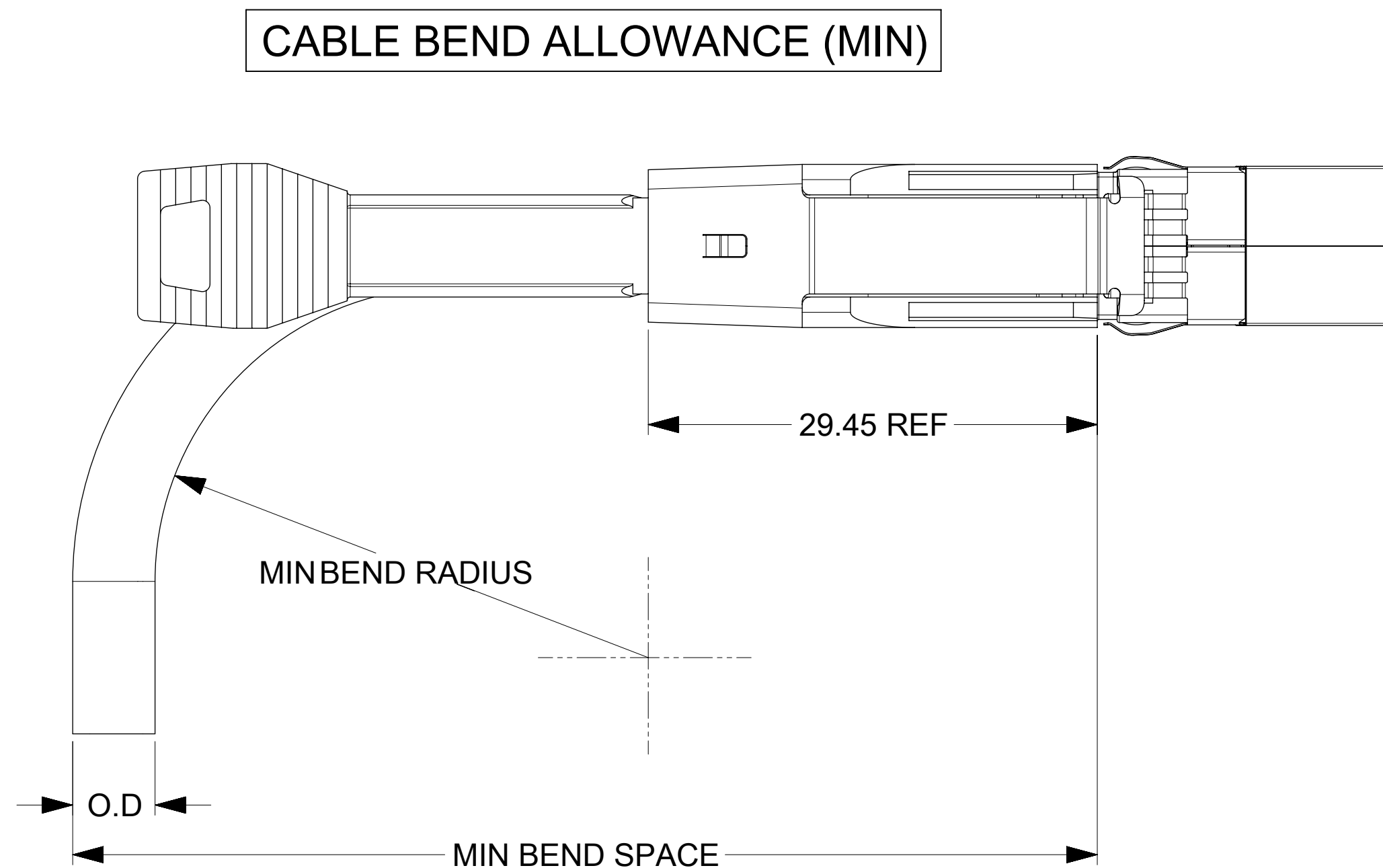
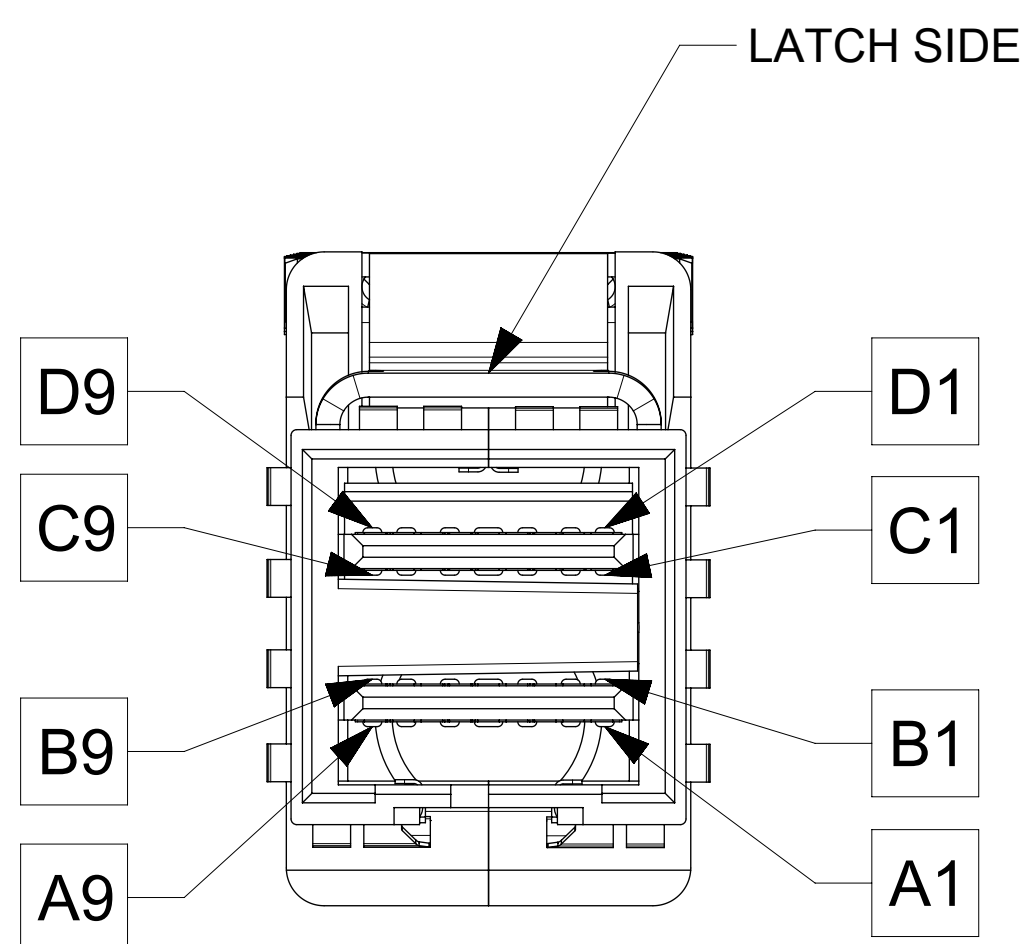
- NOTES:
- MATERIAL =  
 BACKSHELLS - NICKEL PLATED ZINC DIECAST  
 LATCH - STAINLESS STEEL  
 PULL - HALOGEN FREE THERMOPLASTIC ELASTOMER (TPE)
  - THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8644 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
  - RoHS COMPLIANT. NO EXEMPTIONS.
  - TAPE CABLE BUNDLES EVERY 1/2 METER (APPROXIMATELY)
  - PROTECTIVE DUST CAP TO BE INSTALLED ONTO EACH PLUG (NOT SHOWN).

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|  |                        |   |                          |                |          |   |
|--|------------------------|---|--------------------------|----------------|----------|---|
| DIMENSION UNITS<br><b>mm</b>                               | SCALE<br><b>2:1</b>    | CURRENT REV DESC: ADDED 1.2M LENGTH<br>PN | <b>molex</b>             |                |          |   |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                        | EC NO: 603033                             |                          |                |          | MINISAS 4X HD TO<br>MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY |
| ANGULAR TOL ± °  |                        | DRWN: KNAGANNA 2018/07/13                 | PRODUCT CUSTOMER DRAWING |                |          |   |
| 4 PLACES ±   |                        | CHK'D: NSRIVATSAHS 2018/08/17             | DOCUMENT NUMBER          | DOC TYPE       | DOC PART | REVISION  |
| 3 PLACES ±   |                        | APPR: KNAGANNA 2018/08/23                 | <b>1110751000</b>        | PSD            | 000      | J   |
| 2 PLACES ± 0.13  |                        | INITIAL REVISION:                         | SHEET NUMBER             |                |          |   |
| 1 PLACE ± 0.25   |                        | DRWN: GSARVADE 2018/03/20                 | MATERIAL NUMBER          |                | CUSTOMER |   |
| 0 PLACES ±   |                        | APPR: ARAYBURN 2018/03/23                 | SEE PN TABLE             | GENERAL MARKET |          | 1 OF 3  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING SERIES<br><b>D-SIZE 111075</b>    |                          |                |          |   |

| MINISAS HD WIRING CHART |    |         |    |         |
|-------------------------|----|---------|----|---------|
| -P1-                    |    | -P2-    |    |         |
| GND                     | D9 | -----   | B9 | GND     |
| Tx2-                    | D8 | →       | B8 | Rx2-    |
| Tx2+                    | D7 | →       | B7 | Rx2+    |
| GND                     | D6 | -----   | B6 | GND     |
| Tx0-                    | D5 | →       | B5 | Rx0-    |
| Tx0+                    | D4 | →       | B4 | Rx0+    |
| GND                     | D3 | -----   | B3 | GND     |
| Vman                    | D2 | ** █ ** | B2 | ModPrsL |
| Vact                    | D1 | ** █ ** | B1 | Vact    |
| SCL                     | C1 | ** █ ** | A1 | Rsv     |
| SDA                     | C2 | ** █ ** | A2 | IntL    |
| GND                     | C3 | -----   | A3 | GND     |
| Tx1+                    | C4 | →       | A4 | Rx1+    |
| Tx1-                    | C5 | →       | A5 | Rx1-    |
| GND                     | C6 | -----   | A6 | GND     |
| Tx3+                    | C7 | →       | A7 | Rx3+    |
| Tx3-                    | C8 | →       | A8 | Rx3-    |
| GND                     | C9 | -----   | A9 | GND     |
| GND                     | B9 | -----   | D9 | GND     |
| Rx2-                    | B8 | ←       | D8 | Tx2-    |
| Rx2+                    | B7 | ←       | D7 | Tx2+    |
| GND                     | B6 | -----   | D6 | GND     |
| Rx0-                    | B5 | ←       | D5 | Tx0-    |
| Rx0+                    | B4 | ←       | D4 | Tx0+    |
| GND                     | B3 | -----   | D3 | GND     |
| ModPrsL                 | B2 | ** █ ** | D2 | Vman    |
| Vact                    | B1 | ** █ ** | D1 | Vact    |
| Rsv                     | A1 | ** █ ** | C1 | SCL     |
| IntL                    | A2 | ** █ ** | C2 | SDA     |
| GND                     | A3 | -----   | C3 | GND     |
| Rx1+                    | A4 | ←       | C4 | Tx1+    |
| Rx1-                    | A5 | ←       | C5 | Tx1-    |
| GND                     | A6 | -----   | C6 | GND     |
| Rx3+                    | A7 | ←       | C7 | Tx3+    |
| Rx3-                    | A8 | ←       | C8 | Tx3-    |
| GND                     | A9 | -----   | C9 | GND     |

LEGEND:  
 \*\* = RESERVED FOR POWER AND MANAGEMENT INTERFACE  
 → = TRANSMIT TO RECEIVE ON HIGH SPEED LINES  
 ----- = THRU LINES  
 █ = CONNECTION TO A DEVICE ON THE PCB



| GUAGE | O.D | MINIMUM BEND RADIUS (mm) | MINIMUM BEND SPACE (mm) |
|-------|-----|--------------------------|-------------------------|
| 30    | 5.1 | 26                       | 60                      |
| 28    | 5.6 | 28                       | 63                      |
| 26    | 6.9 | 35                       | 71                      |
| 24    | 7.6 | 38                       | 75                      |

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|  |                        |   |                          |                 |                |
|--|------------------------|---|--------------------------|-----------------|----------------|
| DIMENSION UNITS<br><b>mm</b>                               | SCALE<br><b>3:1</b>    | CURRENT REV DESC: ADDED 1.2M LENGTH<br>PN | <b>molex</b>             |                 |                |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                        | EC NO: 603033                             |                          |                 |                |
| ANGULAR TOL ± °  |                        | DRWN: KNAGANNA 2018/07/13                 | PRODUCT CUSTOMER DRAWING |                 |                |
| 4 PLACES ±   |                        | CHK'D: NSRIVATSAHS 2018/08/17             | DOCUMENT NUMBER          |                 |                |
| 3 PLACES ±   |                        | APPR: KNAGANNA 2018/08/23                 | 1110751000               |                 |                |
| 2 PLACES ± 0.13  |                        | INITIAL REVISION:                         | DOC TYPE                 | DOC PART        | REVISION       |
| 1 PLACE ± 0.25   |                        | DRWN: GSARVADE 2018/03/20                 | PSD                      | 000             | J              |
| 0 PLACES ±   |                        | APPR: ARAYBURN 2018/03/23                 | SHEET NUMBER             |                 |                |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING                                   | SERIES                   | MATERIAL NUMBER | CUSTOMER       |
|  |                        | <b>D-SIZE</b>                             | 111075                   | SEE PN TABLE    | GENERAL MARKET |



P/N: SEE TABLE  
 S/N: Y = YEAR, THE LAST DIGIT OF YEAR  
       DDD = DAY OF THE YEAR  
       L = LOCATION  
       1 - USA  
       2 - MEXICO  
       3 - CHINA

SSSS = SERIAL NUMBER  
 X.XXM: CABLE LENGTH, SEE TABLE  
 XXAWG: WIRE GAGE, SEE TABLE

(DATE CODE ISO-8601 FORMAT)

|   |  |                        |  |                                     |  |            |  |   |  |
|---|--|------------------------|--|-------------------------------------|--|------------|--|---|--|
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| DIMENSION UNITS   |  | SCALE                  |  | CURRENT REV DESC: ADDED 1.2M LENGTH |  |            |  | <b>molex</b>  |  |
| mm  |  | 1:1                    |  | PN                                  |  |            |  |   |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                        |  | EC NO: 603033                       |  |            |  | MINISAS 4X HD TO<br>MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY |  |
| ANGULAR TOL   |  | ± °                    |  | DRWN: KNAGANNA                      |  | 2018/07/13 |  |   |  |
| 4 PLACES  |  | ±                      |  | CHK'D: NSRIVATSAHS                  |  | 2018/08/17 |  |   |  |
| 3 PLACES  |  | ±                      |  | APPR: KNAGANNA                      |  | 2018/08/23 |  | PRODUCT CUSTOMER DRAWING                                    |  |
| 2 PLACES  |  | ± 0.13                 |  | INITIAL REVISION:                   |  |            |  | DOCUMENT NUMBER   |  |
| 1 PLACE   |  | ± 0.25                 |  | DRWN: GSARVADE                      |  | 2018/03/20 |  | 1110751000  |  |
| 0 PLACES  |  | ±                      |  | APPR: ARAYBURN                      |  | 2018/03/23 |  | PSD 000 J   |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION |  | DRAWING                             |  | SERIES     |  | MATERIAL NUMBER   |  |
|   |  |                        |  | D-SIZE                              |  | 111075     |  | SEE PN TABLE  |  |
|   |  |                        |  |                                     |  |            |  | CUSTOMER  |  |
|   |  |                        |  |                                     |  |            |  | GENERAL MARKET  |  |
|   |  |                        |  |                                     |  |            |  | SHEET NUMBER  |  |
|   |  |                        |  |                                     |  |            |  | 3 OF 3  |  |