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MATERIAL NUMBER	ENGINEERING NUMBER	LENGTH - DROP	LENGTH - LEG 1	LENGTH - LEG 2
130039-0396	DNYG001	0.3M +19.1mm -0 [0.98' +0.75' -0]	0.3M +19.1mm -0 [0.98' +0.75' -0]	0.6M +44.5mm -0 [1.96' +1.75' -0]

Technical drawing of a Micro-Change Splitter. The drawing includes a side view and two face views (Male and Female). Dimensions are provided in millimeters and inches. Callouts 1 through 8 identify components. The side view shows a central coupler (3) with two legs (1 and 2) extending from it. The 'DROP' length is indicated as (SEE CHART) with sub-dimensions of 4.0 [102] REF. and 2.02 [51.3] REF. The diameter of the main body is $\phi 0.57$ [14.5] REF. The coupler has a diameter of 1.53 [38.7] REF. The legs have a diameter of 1.79 [45.5] REF. The female face view shows a circular connector with 5 pins, labeled 1 through 5. The male face view shows a circular connector with 5 pins, labeled 1 through 5. The wiring diagram shows the connection between the pins: 1 (DRAIN), 2 (V+), 3 (V-), 4 (CAN H), and 5 (CAN L).

NOTES:

1) MATERIALS: SEE TABLE
 2) FINISHES: SEE TABLE
 3) CABLE: #22/4 SHIELDED +DRAIN PVC
 4) ELECTRICAL DATA:
 MAX. VOLTAGE: 250 VAC/VDC
 MAX. CURRENT: 4 AMPS
 5) ENVIRONMENTAL:
 PROTECTION: IP67
 TEMPERATURE RANGE: -20°C TO 105°C
 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,
 VOLTAGE & AMPERAGE.
 7) ASSEMBLY IS RoHS COMPLIANT.

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
8	1	LABEL	MYLAR	BLACK/YELLOW
7	3	COUPLER	ZINC DIE-CAST	BLACK E-COAT
6	2	O-RING	NITRILE	RED
5	15	MICRO-CHANGE CONTACT	COPPER ALLOY	GOLD OVER NICKEL
4	3	MICRO-CHANGE INSERT	NYLON	BLACK
3	1	SPLITTER OVERMOLD	PVC	GRAY
2	3	MICRO-CHANGE OVERMOLD	PVC	GRAY
1	3	#22/4+DR. DEVICE-NET CABLE	PVC JACKET	GRAY

RELEASED DRAWING
 EC NO: WNA2010-0152
 DRWN: LHARTMAN 8/28/09
 CHKD: BWOODMAN 09/08/28
 APPR: JFMURPHY 2009/08/31

QUALITY SYMBOLS
 $\nabla=0$
 $\nabla C=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±---	±.01
1 PLACE	±0.3	±----

ANGULAR ±---°

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
 IN/MM

DRAWN BY DATE
 LHARTMAN 2009/08/28

CHECKED BY DATE
 BWOODMAN 2009/08/28

APPROVED BY DATE
 JFMURPHY 2009/08/28

MATERIAL NO.
 SEE TABLE

SIZE
 A

SCALE
 NTS

DESIGN UNITS
 INCH

THIRD ANGLE PROJECTION

TITLE
 MICRO-CHANGE SPLITTER
 5P MA ST / 5P FE ST(2X)
 #22/4+DR PVC D-NET CABLE

MOLEX INCORPORATED

DOCUMENT NO.
 SD-130039-016

SHEET NO.
 1 OF 1

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