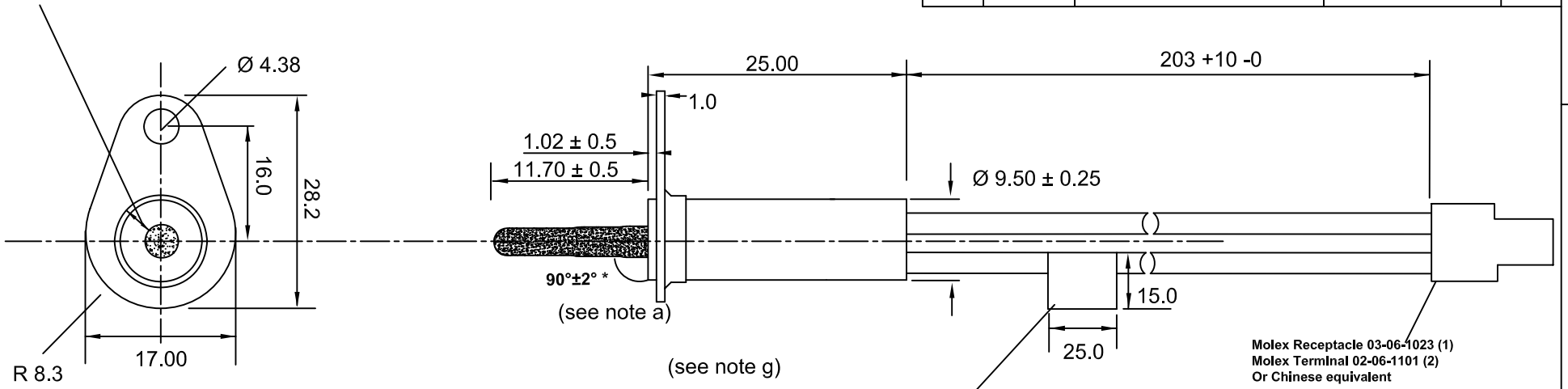
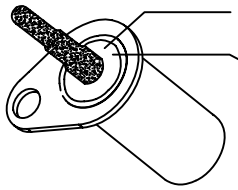
Drawn		Revisions	Revision Number	
MG	August 05	Element and bracket positioning	2	
MG	January 06	Quick connects now ONE MALE and ONE FEMALE	3	
MG	March 06	Increase label size	4	
MG	April 06	Quick connects now FEMALE	5	
MG	April 08	Connector change to Molex	6	

Not to Scale

Element must be equidistant within 0.25mm of centre line



Date Code and Model Number
ML12-20-102RPH-1
Crystal Technica Logo
CSA Logo



Brazed Copper ring not to be visible

Ceramic cement flat clean finish

Ceramic cement must be totally impervious to moisture
Moisture must not be able to penetrate the ceramic base

Specifications:

Time to 1260°C:	< 3 Seconds @ 12 volts
Rating voltage:	12 volts
Operating voltage:	12 volts +10% -15% (10.2 - 13.2 volts)
Power Rating:	20 Watts

Notes:

a. Critical dimension
b. Heater cemented into ceramic insulator using white ceramic cement
c. Ceramic Insulator body glazed 90%-95% alumina - glazed finish
d. Cable - UL Spec - High temperature - rating 450°C
e. Every component of this assembly shall withstand a load > = 5Kg
f. Bracket material - Stainless Steel

Note: All tolerances ± 1.0 mm unless otherwise stated
All unmarked measurements at manufacturers discretion
*** Denotes Critical Dimension**

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Title
Mini-Lite

Silicon Nitride Igniter

SIZE	FSCM NO.	DWG NO.	REV
		ML12-20-102RPH-1	6

SCALE | © Crystal Technica 2004 | SHEET 1

THIRD ANGLE PROJECTION

Unless otherwise noted
All dimensions are in
Millimeters

Proprietary Note

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