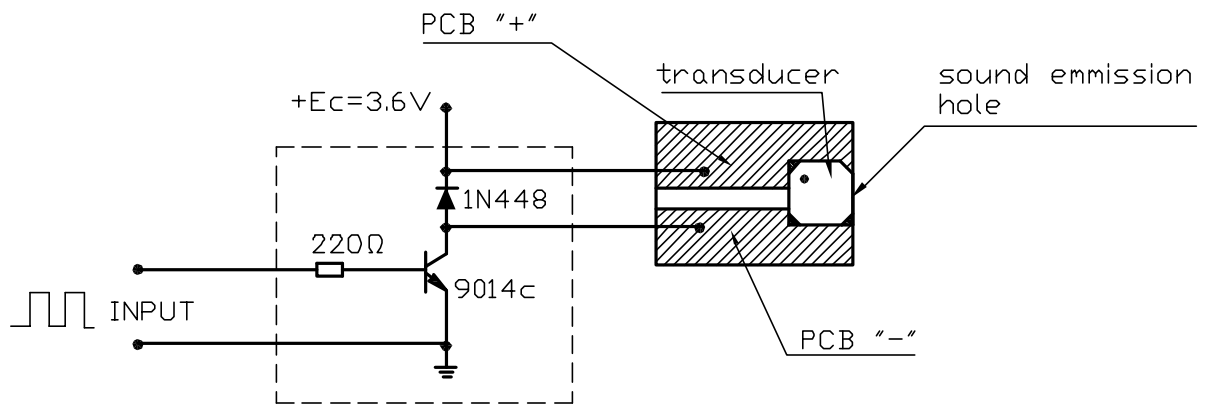


SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

1.SPECIFICATIONS

Type	DET701-G	Units
Rated Voltage	3.6	Vo-p
Operating Voltage	2.5~4.5	Vo-p
* Rated Current	Max.100	mA
Coil Resistance	16±2	Ωhm
* Sound Output at 10cm	Min.85(TYP.90)	dB
Rated Frequency	2731	Hz
Operating Temperature	-30~+70	°C
Storage Temperature	-40~+85	°C

\* Value applying rated voltage and frequency (1/2 duty square wave)



STANDARD DRIVE CIRCUIT

DATE	2006.01.12
DESIGNER	QI XINHUA
CHECKER	PAN XUDONG
APPROVER	DONG LEPING
SIZE	A
DWG. NO.	

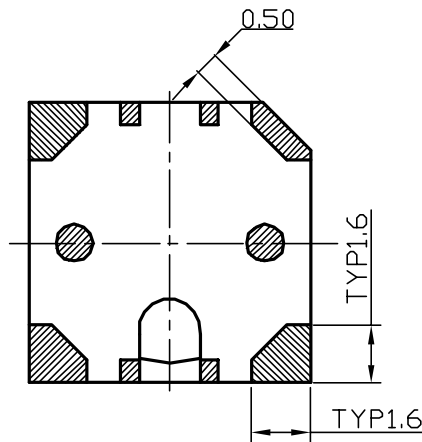
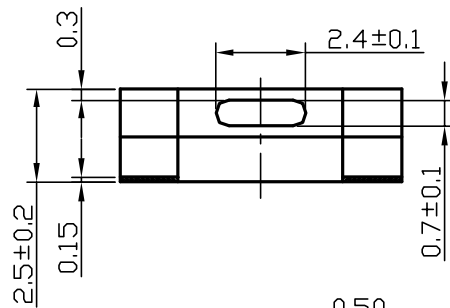
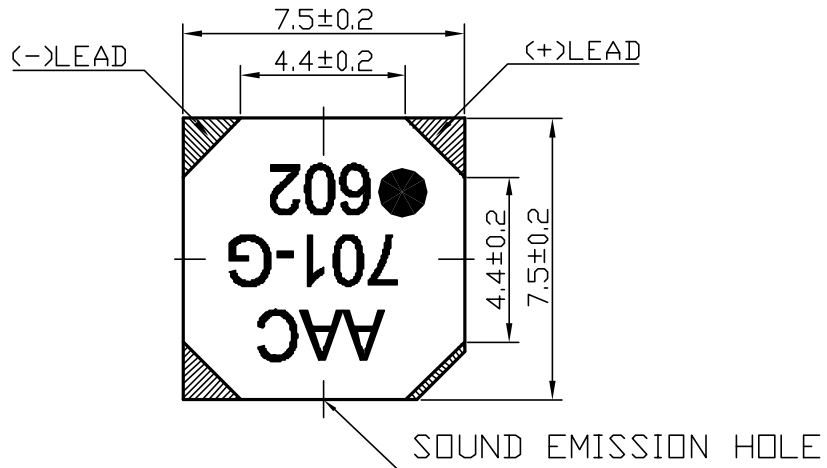
**DET701-G**  
ELECTRO-MAGNETIC AUDIO TRANSDUCER



**AACI**  
**ELECTRONICS**  
**CORP.**

SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

2.DIMENSIONS



DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPROVER	DONG LEPING	
SIZE	A	DWG. NO.

<b>DET701-G</b>			
ELECTRO-MAGNETIC AUDIO TRANSDUCER			
PAGE	2/9	REV	A



**AACI  
ELECTRONICS  
CORP.**


SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

3.QUALIFICATION TESTS

Item	Method of test	Standard
1	Temperature Characteristics	All data initially taken at +25°C, then repeated at -40°C and again at +85°C.Components must be fully stabilized at temp. extremes before data is taken,which may require up to a 4 hour soak.
2	Temperature shock	<div style="text-align: center;"> <p style="text-align: center;">-40°C      +85°C  <span style="border: 1px solid black; padding: 2px;">30min</span>    <span style="border: 1px solid black; padding: 2px;">30min</span>      32 cycle                      60 min at 1 cycle</p> </div> <p>20 second max. transition time between Temp. extremes</p>
3	Static Humidity	Precondition at +25°C for 1 hour.Then expose to +70°C with 90 to 95% relative humidity for 240 Hours.Finally allow to dry at room ambient for 4 hours before taking final measurements.
4	Random Vibration	Vibrate randomly from 20 to 2000Hz using the following PSD profile:It is a +3 dB/octave from 20Hz to 80Hz,then 0.053 g <sup>2</sup> /Hz from 80Hz to 350Hz,and finally at -3dB/octave from 350Hz to 2000Hz.The PSD tolerance is ±3dB from 20 to 1000Hz and ±6dB above 1000Hz.The Analyzer Bandwidth to be set at 25Hz BW from 20 to 200Hz,50Hz BW to 1000Hz,and finally 100Hz BW to 2000Hz.The test time is 15 minutes per plane.

DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPOVER	DONG LEPING	
SIZE	A	DWG. NO.

<h2 style="margin: 0;">DET701-G</h2> <p style="margin: 0;">ELECTRO-MAGNETIC AUDIO TRANSDUCER</p>				PAGE	3/9	REV	A
--	--	--	--	------	-----	-----	---

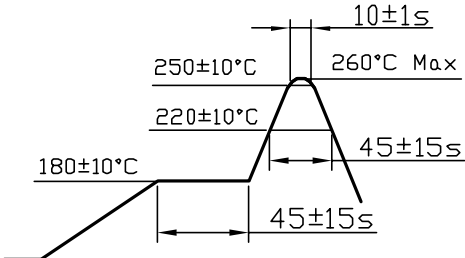


**AACI**

**ELECTRONICS**

**CORP.**

SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

	Item	Method of test	Standard
5	Mechanical Shock	Secure samples as required. Then subject samples to three one half sine shock pulses (3000 g's for 0.3 milliseconds) in each direction (for six total) along each of the mutually perpendicular axes for a total 18 shocks.	After the test, there should be no problems with appearance, function and spec. must satisfied.
6	Operating Life	Subject samples to +85°C for 1000 hours under full rated power.	
7	Lead Pull Test	Subject test leads to an increasing pull force (between the wire or lead and the transducer) until destruction occurs. Record the point of destruction. The minimum pull strength is 1000 grams (2.2 pounds).	
8	Soldering condition	 <p>The graph shows a temperature profile for soldering. It starts with a ramp to 180±10°C, followed by a dwell of 45±15s. Then it ramps to 250±10°C, where it dwells for 10±1s at a maximum of 260°C. Finally, it ramps down and dwells again for 45±15s.</p>	After the test, there should be no problems with appearance, function and spec. must satisfied.

DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPROVER	DONG LEPING	
SIZE	A	DWG. NO.

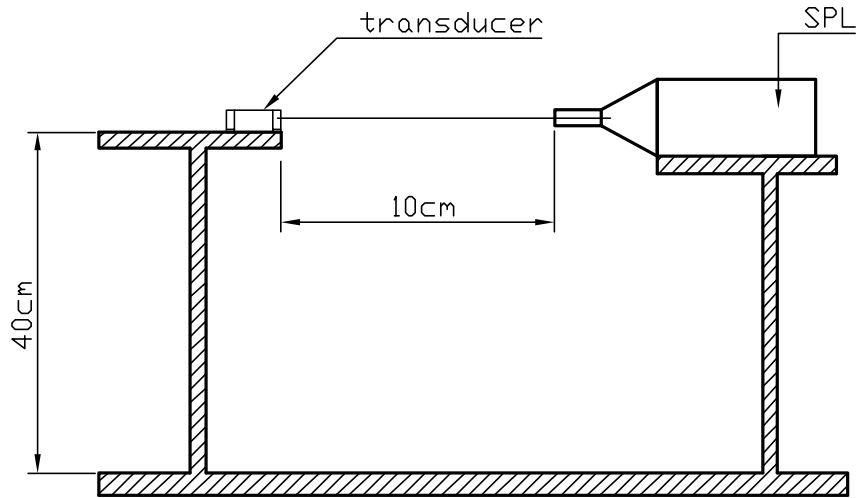
**DET701-G**  
ELECTRO-MAGNETIC AUDIO TRANSDUCER

PAGE	4/9	REV	A
------	-----	-----	---




**AACI  
ELECTRONICS  
CORP.**

4.INSPECTION TEST FIXTURE

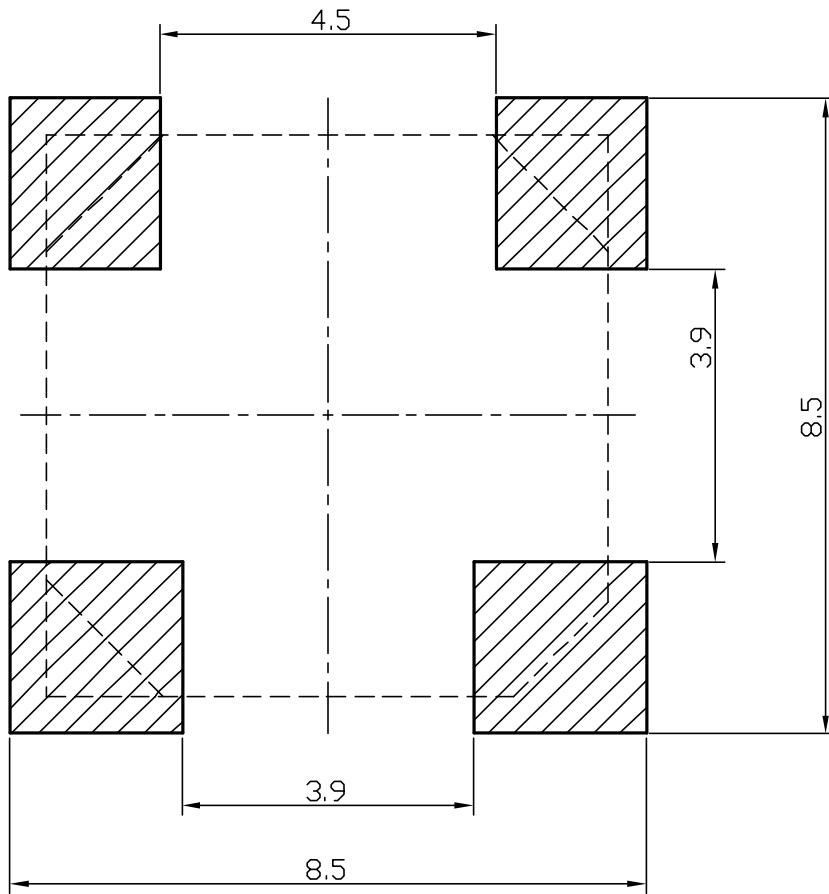


Inspection Test Fixture

DATE	2006.01.12		<b>DET701-G</b> ELECTRO-MAGNETIC AUDIO TRANSDUCER				 AACI ELECTRONICS CORP.
DESIGNER	QI XINHUA						
CHECKER	PAN XUDONG						
APPOVER	DONG LEPING						
SIZE	A	DWG. NO.	PAGE	5/9	REV	A	


SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

5.SOLDERING PAD



DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPROVER	DONG LEPING	
SIZE	A	DWG. NO.

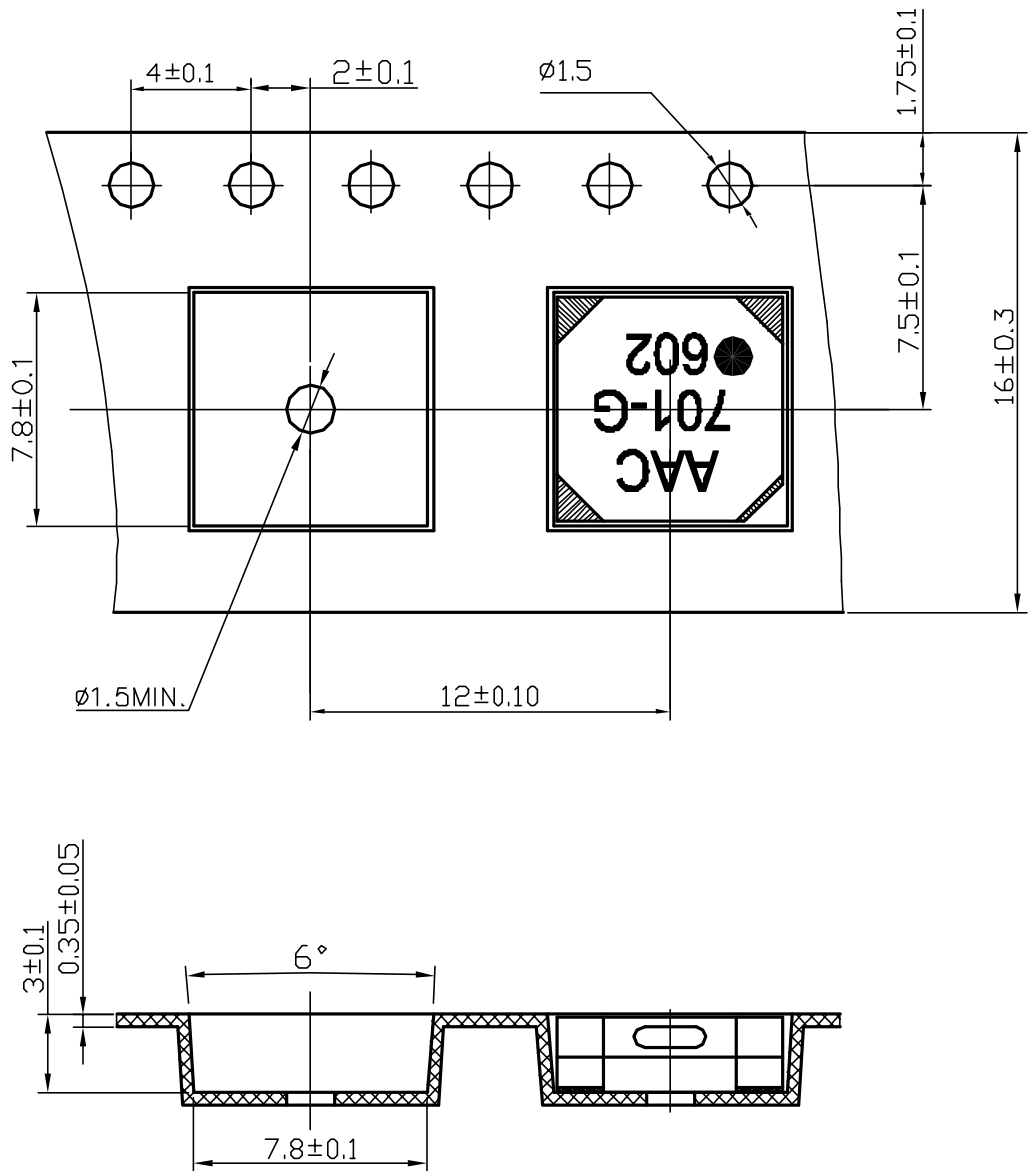
<b>DET701-G</b>			
ELECTRO-MAGNETIC AUDIO TRANSDUCER			
PAGE	6/9	REV	A



**AACI  
ELECTRONICS  
CORP.**


SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION

6.PACKING



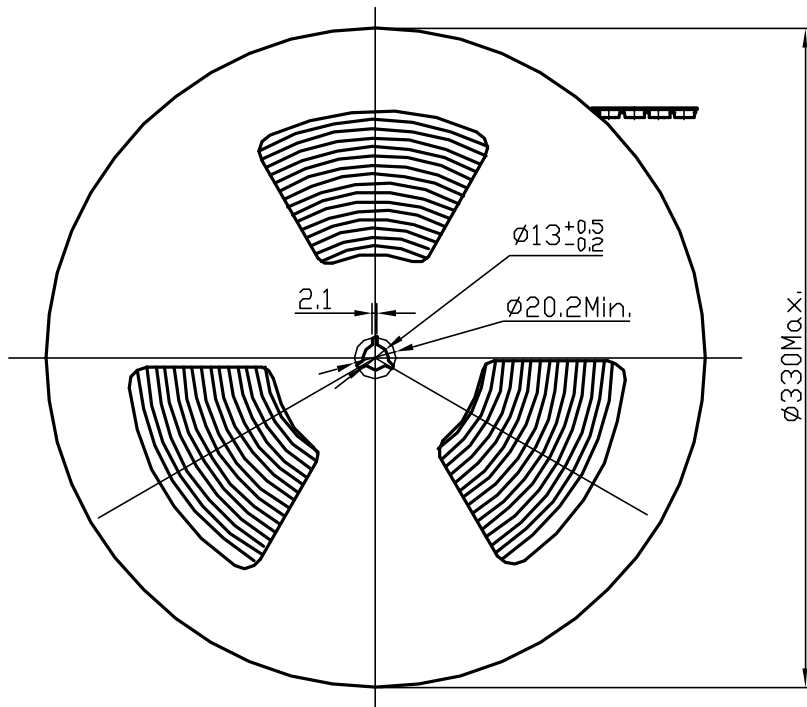
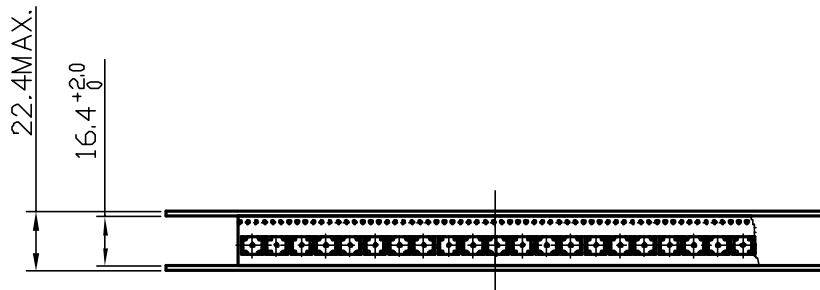
DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPOVER	DONG LEPING	
SIZE	A	DWG. NO.

<b>DET701-G</b>			
ELECTRO-MAGNETIC AUDIO TRANSDUCER			
PAGE	7/9	REV	A



**AACI  
ELECTRONICS  
CORP.**

SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION



1000 PCS PRODUCTS/1 reel

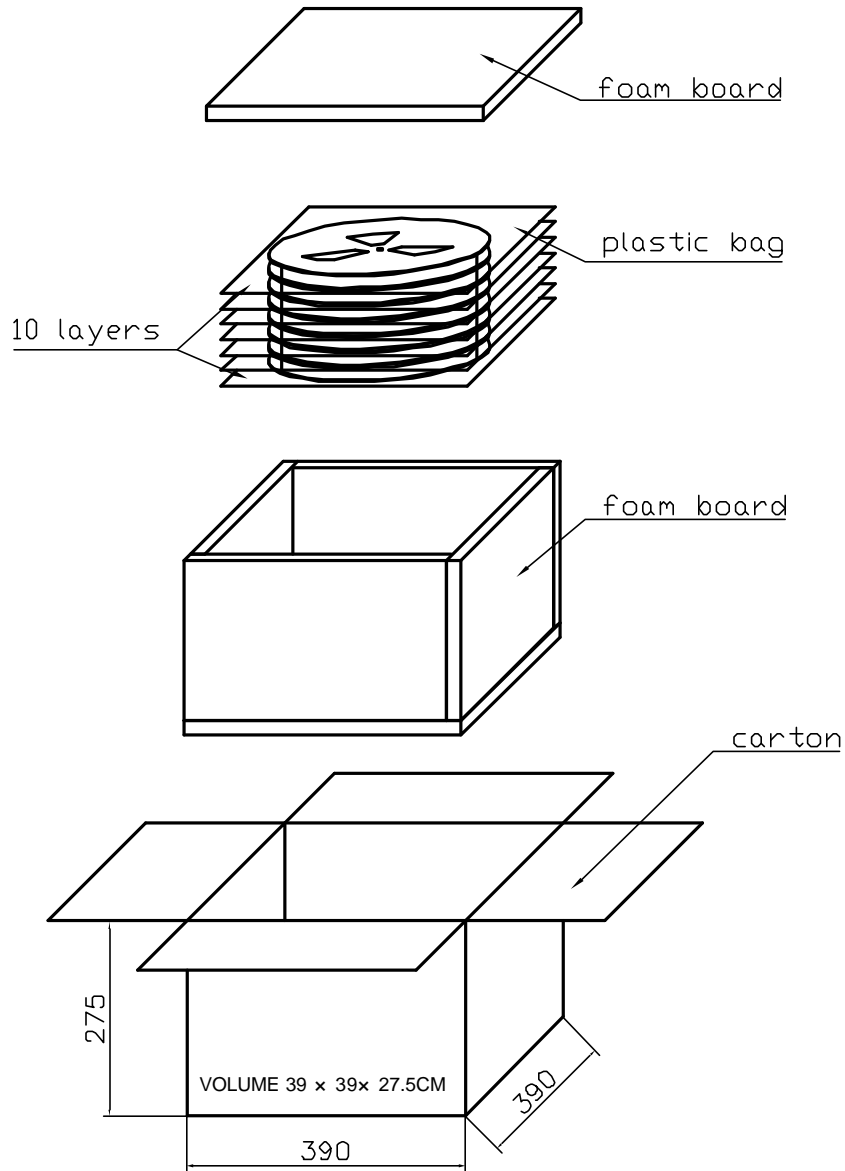
DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPROVER	DONG LEPING	
SIZE	A	DWG. NO.

<b>DET701-G</b>			
ELECTRO-MAGNETIC AUDIO TRANSDUCER			
PAGE	8/9	REV	A



**AACI  
ELECTRONICS  
CORP.**

SPECIFICATIONS FOR ELECTRO-MAGNETIC COMPONENTS DIVISION



10000 PCS PRODUCTS/1 CARTON

DATE	2006.01.12	
DESIGNER	QI XINHUA	
CHECKER	PAN XUDONG	
APPROVER	DONG LEPING	
SIZE	A	DWG. NO.

<b>DET701-G</b>			
ELECTRO-MAGNETIC AUDIO TRANSDUCER			
PAGE	9/9	REV	A



**AACI  
ELECTRONICS  
CORP.**