PACKLIST

Aeroflex Colorado Springs, Inc.
4350 Centennial Blvd
Colorado Springs, CO 80907
Phone 719-594-8000
Fax 719-594-8468
CAGE Code 65342

Date:**10/14/2014**
Page:**1**
Packlist ID:**33310**

Sold To Address	Ship To Address
CALIFORNIA INSTITUTE OF TECH PURCHASING SERVICES 1200 E. CALIFORNIA BLVD MAIL CODE 103-6 PASADENA, CA 91125 USA	CALIFORNIA INSTITUTE OF TECHNOLOGY 391 S. HOLLISTON AVENUE PASADENA, CA 91125 USA

CUSTOMER PO:
44A-S149229

CUSTOMER ID				SUPPLEMENT NO	PAYMENT TERMS		ARXX ORDER NUMBER
7000333				EMAIL 10/2/2014	Net 30		GV-14083
SALES REP				SHIP DATE	SHIPPING METHOD	CUST FREIGHT ACCT	F.O.B.
CK ASSOCIATES - WEST				10/14/2014	FEDEX PRIORITY		COLORADO SPRINGS
QUANTITY		LINE		PART ID			CUST PART NUMBER
ORD	SHP	CUST	ARXX	DESCRIPTION		MFG PART NUMBER	CUST SPEC/REV
3	3	5	7	JYR01A_ VR_WAFER JYR01A WAFER SALES		JYR01A_VR_WAFER	CRH-WAFER FABRICATION

Ship Weight:

Shipped Unit of Measure: WA
JYR01A_VR_WAFER CONTAINS JY11A AND JY12A DIE.

LOT NUMBER:
D22755.1-G QTY: 3.00

Government Rating/Contract:
Export Type: **Schedule B:**
Export License: **ECCN:**

ORDER SPECIFICATIONS

ATTN: DEBBY MILES, 290-17

The export of these commodity(ies), technology, or software are subject either to the U. S. Commerce Department Export Administration Regulations (E.A.R.), or to the U. S. State Department International Traffic In Arms Regulations (I.T.A.R.). Diversion, the shipment to unauthorized locations or entities, or the disclosure of related technical data or software to unauthorized foreign nationals is contrary to U. S. law and is prohibited. If export is authorized to a specific country or end-users, compliance with the U. S. export laws is required prior to transfer, transshipment on a non-continuous voyage, or disposal in any other country, or to any other end-user of these commodities, either in their original form or after being incorporated into other end-items.

Aeroflex Colorado Springs, Inc. integrated circuits may be covered by one or more of the following U.S. Patents, or by pending patent applications: 4602270, 4711700, 4730160, 4753820, 4772936, 4805137, 4817029, 4875138, 4900693, 4959706, 4965643, 4996661, 5010256, 5012404, 5037781, 5079737, 5104818, 5128733, 5141597, 5145802, 5146151, 5157625, 5166902, 5187113, 5206182, 5218214, 5298773, 5317181, 5325359, 5344785, 5350607, 5367641, 5380683, and 5384278.

Acceptance expressly conditioned upon enclosed Terms and Conditions of Quotation and Sale.
IF YOU HAVE QUESTIONS REGARDING THIS PACKLIST PLEASE CONTACT AEROFLEX, COLORADO SPRINGS

4350 Centennial Blvd
Colorado Springs, CO 80907
(719) 594-8000 Fax (719) 594-5541
Cage Number: 65342

Certificate Of Conformance

AEROFLEX

Aeroflex certifies that the product being supplied has been manufactured and meets the performance defined in the agreed to specification(s) and all associated quality clauses, whether or not the actual testing has been performed, except as noted below.

Company Name: Aeroflex Colorado Springs, Original Equipment Manufacturer (OEM)/Original Component Manufacturer (OCM)
Marking symbol: ARXX

Customer Name:	CALIFORNIA INSTITUTE OF TECH PURCHASING SERVICES PASADENA CA 91125 USA
PIC Number:	JYR01A_ VR_WAFER
Aeroflex Part Number:	JYR01A_VR_WAFER
Customer Part Number/Revision:	CRH-WAFER FABRICATION LOT
P.O. Number/Supplement:	44A-S149229 / EMAIL 10/2/2014
Specification Number/Revision:	
Aeroflex Sales Order:	GV-14083

Lot Number	Quantity	Date Code
D22755.1-G	3	

MADE IN USA

ALL TEST AND INSPECTION DATA IS MAINTAINED ON FILE FOR ON SITE REVIEW BY CUSTOMER AND OR GOVERNMENT PERSONNEL

Theresa Rodriguez QA Inspector II Oct 14, 2014

AEROFLEX QUALITY ASSURANCE SIGNATURE / TITLE / DATE

Wafer Lot Acceptance Summary For
Wafer Foundry With Planar process

Device: JYR01A Fab Out Date: 09/26/14

Wafer Lot #: D22755.1 Wafer Numbers: 2,4,6

Screen	Aeroflex COS Internal Procedure	Quantity In / Out
Wafer Lot Acceptance Note 1/	03300	3 / 3
DC Parametric Data Review	68508 & 40-1017-XX	3 / 3
Internal Visual	69804 & 49201	3 / 3
Aracor	68501 & 40-1017-YY	3 / 3

Note 1/: SEM inspection is not required for the wafer fab processes that have a planar oxide metal interconnect structure. Metallization step coverage is guaranteed by design for these processes.

Theresa Rodriguez
QA Representative

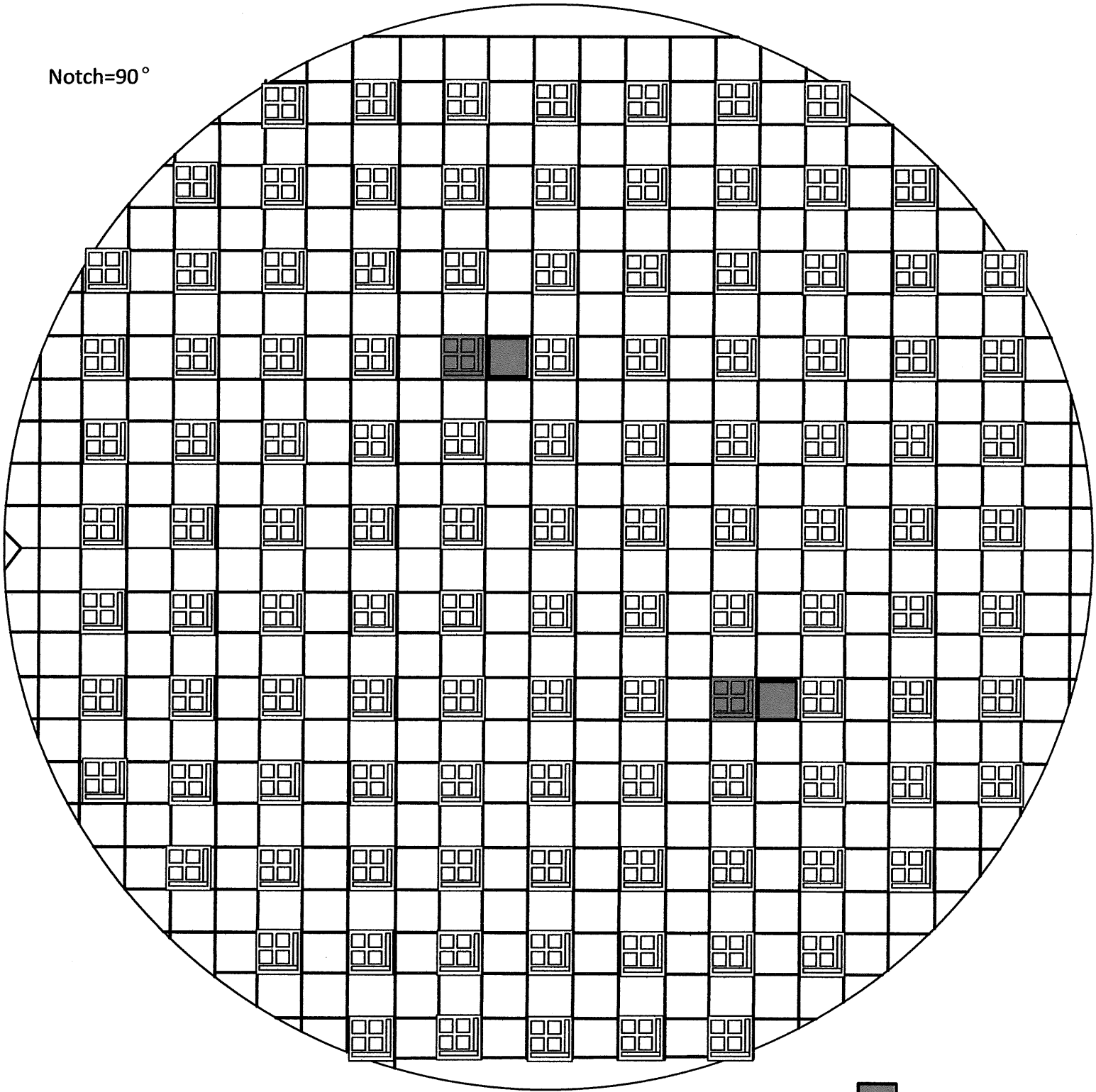
October 14, 2014
Date

JYR01A

Wafer Lot: _D22755____

Wafer Number: _2,4,&6_

Notch=90°



= Aracor Yield Loss

UTMC Microelectronic Systems
HARNESS ARRAY TEST RESULTS

LOT : D22755.1-G WAFER :02 PROCESS : AC6U PRODUCT : JYR01A
VECFILE : ml0471.vec PPG :jyr01 DATE : 9 Oct 2014 SUBREV : 11-20-13
KV : 4.50e+01 MAMPS :4.60e+01 DOSERATE: 2.99e+03 :

Results for Die X=2 Y=-3

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.4846e-01	7.00e-01	0.000e+00	0.00e+00	v	
nchl_ioff_20.00_0.60	0.00e+00	5.0528e-12	3.00e-09	0.000e+00	0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	[illegible]	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	1.0000e+01	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	[illegible]	[illegible]	[illegible]	[illegible]	A	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
nchl_svt_20.00_0.60	2.00e-01	5.2564e-01	7.00e-01	-2.282e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	6.3779e-12	3.00e-09	1.345e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	1.0091e+01	1.50e+01	1.703e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.4000e+00	1.50e+01	-6.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.1814e-11	1.00e-06	6.100e-14	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.8127e-01	-6.00e-01	-2.826e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1166e+01	-7.00e+00	-1.210e-01	-9.00e+00	v	
npbias_npflagl_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

TOTALDOSE=3.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	4.8957e-01	7.00e-01	-5.889e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	2.5990e-10	3.00e-09	2.549e-10	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	1.0120e+01	1.50e+01	1.993e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.4000e+00	1.50e+01	-3.600e+00	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	2.1353e-11	1.00e-06	9.600e-12	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.3340e-01	-6.00e-01	-8.038e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1238e+01	-7.00e+00	-1.930e-01	-9.00e+00	v	
npbias_npflagl_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>This die passed

Results for Die X=5 Y=-7

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.5498e-01	7.00e-01	0.000e+00	0.00e+00	v	
nchl_ioff_20.00_0.60	0.00e+00	4.7500e-12	3.00e-09	0.000e+00	0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.8336e+00	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	1.0000e+01	1.50e+01	0.000e+00	0.00e+00	v	

UTMC Microelectronic Systems
ARACOR XRAY TEST RESULTS

LOT : D22755.1-G WAFER :02 PROCESS : AC6U PRODUCT : JYR01A
VECFILE : mi0471.vec PPG :jyr01 DATE : 9 Oct 2014 SUBREV : 11-20-13
KV : 4.50e+01 MAMPS :4.60e+01 DOSERATE: 2.99e+03 :

nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.1128e-11	1.00e-06	0.000e+00	0.00e+00	A
pchl_svt_20.00_0.60	-1.10e+00	-7.5496e-01	-6.00e-01	0.000e+00	0.00e+00	v
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1104e+01	-7.00e+00	0.000e+00	0.00e+00	v
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	0.00e+00	na

*>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> TOTALDOSE=1.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.3155e-01	7.00e-01	-2.343e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	6.0665e-12	3.00e-09	1.316e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9799e+00	1.50e+01	1.463e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.1000e+00	1.50e+01	-9.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.1090e-11	1.00e-06	-3.800e-14	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.8708e-01	-6.00e-01	-3.212e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1226e+01	-7.00e+00	-1.220e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

*>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> TOTALDOSE=3.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	4.9168e-01	7.00e-01	-6.330e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	8.2775e-10	3.00e-09	8.230e-10	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9729e+00	1.50e+01	1.393e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.2000e+00	1.50e+01	-3.800e+00	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.1652e-10	1.00e-06	1.054e-10	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.4218e-01	-6.00e-01	-8.722e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1296e+01	-7.00e+00	-1.920e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>This die passed

>>>>>>>>>>>>>>>>>>>>>>>>> This Wafer Passed

UTMC Microelectronic Systems

NRADCOR XRAY TEST RESULTS

LOT : D22755.1-6 WAFER :04 PROCESS : AC6U PRODUCT : JYR01A
VECFILE : ml0471.vec PPG :jyr01 DATE : 9 Oct 2014 SUBREV : 11-20-13
KV : 4.50e+01 MAMPS :4.60e+01 DOSERATE: 2.99e+03 :

Results for Die X=2 Y=-3

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.4368e-01	7.00e-01	0.000e+00	0.00e+00	v	
nchl_ioff_20.00_0.60	0.00e+00	6.0748e-12	3.00e-09	0.000e+00	0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.8397e+00	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	1.0000e+01	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.2949e-11	1.00e-06	0.000e+00	0.00e+00	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.5391e-01	-6.00e-01	0.000e+00	0.00e+00	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.0999e+01	-7.00e+00	0.000e+00	0.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	0.00e+00	na	

TOTALDOSE=1.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.2253e-01	7.00e-01	-2.115e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	7.3993e-12	3.00e-09	1.284e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9659e+00	1.50e+01	1.262e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.4000e+00	1.50e+01	-6.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.2866e-11	1.00e-06	-8.300e-14	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.9440e-01	-6.00e-01	-4.047e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1120e+01	-7.00e+00	-1.210e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

TOTALDOSE=3.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	4.8418e-01	7.00e-01	-5.949e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	1.0757e-10	3.00e-09	1.015e-10	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	1.0044e+01	1.50e+01	2.043e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.6000e+00	1.50e+01	-3.400e+00	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	2.2655e-11	1.00e-06	9.706e-12	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.5944e-01	-6.00e-01	-1.055e-01	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1193e+01	-7.00e+00	-1.940e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>>This die passed

Results for Die X=5 Y=-7

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.5345e-01	7.00e-01	0.000e+00	0.00e+00	v	
nchl_ioff_20.00_0.60	0.00e+00	5.5392e-12	3.00e-09	0.000e+00	0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.8569e+00	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	1.0000e+01	1.50e+01	0.000e+00	0.00e+00	v	

UTMC Microelectronic Systems
ARACOR XRAY TEST RESULTS

LOT : D22755.1-G WAFER :04 PROCESS : AC6U PRODUCT : JYR01A
VECFILE : m10471.vec PPG :jyr01 DATE : 9 Oct 2014 SUBREV : 11-20-13
KV : 4.50e+01 MAMPS :4.60e+01 DOSERATE: 2.99e+03 :

nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.5888e-11	1.00e-06	0.000e+00	0.00e+00	A
pchl_svt_20.00_0.60	-1.10e+00	-7.4500e-01	-6.00e-01	0.000e+00	0.00e+00	v
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1049e+01	-7.00e+00	0.000e+00	0.00e+00	v
npbias_npflagl_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	0.00e+00	na

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> TOTALDOSE=1.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.3199e-01	7.00e-01	-2.145e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	6.8502e-12	3.00e-09	1.311e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9392e+00	1.50e+01	8.230e-02	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.2000e+00	1.50e+01	-8.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.5668e-11	1.00e-06	-2.200e-13	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.8496e-01	-6.00e-01	-3.996e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1164e+01	-7.00e+00	-1.150e-01	-9.00e+00	v	
npbias_npflagl_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> TOTALDOSE=3.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	4.9613e-01	7.00e-01	-9.721e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	1.3503e-07	3.00e-07	1.343e-07	-3.00e-07	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9e+00	1.50e+01	1.13e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.1000e+00	1.50e+01	-3.900e+00	-9.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.1403e-10	1.00e-06	9.894e-11	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-6.5406e-01	-6.00e-01	-1.091e-01	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1239e+01	-7.00e+00	-1.950e-01	-9.00e+00	v	
npbias_npflagl_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>this die passed

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> this Wafer Passed

UTMC Microelectronic Systems
ARACOR XRAY TEST RESULTS

LOT : D22755.1-G WAFER :06 PROCESS : AC6U PRODUCT : JYR01A
VECFILE : m10471.vec PPG :jyr01 DATE : 9 Oct 2014 SUBREV : 11-20-13
KV : 4.50e+01 MAMPS :4.60e+01 DOSERATE: 2.98e+03 :

Results for Die X=2 Y=-3

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.5657e-01	7.00e-01	0.000e+00	0.00e+00	v	
nchl_ioff_20.00_0.60	0.00e+00	4.9474e-12	3.00e-09	0.000e+00	0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.8186e+00	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	1.0380e+01	1.50e+01	0.000e+00	0.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	9.3020e-12	1.00e-06	0.000e+00	0.00e+00	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.6389e-01	-6.00e-01	0.000e+00	0.00e+00	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1053e+01	-7.00e+00	0.000e+00	0.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	0.00e+00	na	

TOTALDOSE=1.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.3434e-01	7.00e-01	-2.203e-02	-3.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	6.6219e-12	3.00e-09	1.674e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9901e+00	1.50e+01	1.715e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.3000e+00	1.50e+01	-7.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	9.3535e-12	1.00e-06	5.150e-14	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.1123e-01	-6.00e-01	-4.533e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1161e+01	-7.00e+00	-1.230e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

TOTALDOSE=3.0e+02 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	4.9571e-01	7.00e-01	-6.063e-02	-5.80e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	4.2234e-10	3.00e-09	4.174e-10	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	1.001[illegible]e+01	1.50e+01	1.794e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.4880e+00	1.50e+01	-3.600e+00	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	6.2211e-11	1.00e-06	5.291e-11	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.8398e-01	-6.00e-01	-1.181e-01	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1231e+01	-7.00e+00	-1.930e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>>>This die passed

Results for Die X=5 Y=-7

TOTALDOSE=0.0e+00 Krads +

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.6229e-01	7.00e-01	[illegible]			
nchl_ioff_20.00_0.60	[illegible]				0.00e+00	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.8410e+00	1.50e+01	[illegible]	0.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	[illegible]	1.50e+01	[illegible]	[illegible]	v	

[illegible] : 11-20-13

[illegible] 2.7e-03 :

nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.0e0ae-11	1.00e-06	0.000e+00	0.00e+00	A
pchl_svt_20.00_0.60	-1.10e+00	-7.54[illegible]e-01	-6.00e-01	0.000e+00	0.00e+00	v
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1673e+01	-7.00e+00	0.000e+00	0.00e+00	v
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	0.00e+00	na

*[illegible] TOTALDOSE=1.0e+02 Krads *

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.387[illegible]e-01	7.00e-01	-2.351e-02	-3.00e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	7.0c03e-12	3.00e-09	1.453e-12	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9405e+00	1.50e+01	1.056e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	9.1000e+00	1.50e+01	-9.000e-01	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	1.0516e-11	1.00e-06	-1.200e-13	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-7.6[illegible]38e-01	-6.00e-01	-3.018e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1192e+01	-7.00e+00	-1.190e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0[illegible]00e+00	1.00e+00	0.000e+00	-1.00e+00	na	

*>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> TOTALDOSE=3.0e+02 Krads *

Parameter name	Min Spec	Value	Max Spec	Delta	D Spec	Units	P/F
nchl_svt_20.00_0.60	2.00e-01	5.0026e-01	7.00e-01	-6.203e-02	-3.00e-01	v	
nchl_ioff_20.00_0.60	0.00e+00	2.3467e-10	3.00e-09	2.291e-10	-3.00e-09	A	
nchl_bvdss_20.00_0.60	7.00e+00	9.9755e+00	1.50e+01	1.345e-01	-8.00e+00	v	
nchlf_fvt_ply_n/fd_20.00_1.20	5.50e+00	6.3000e+00	1.50e+01	-3.700e+00	-5.00e+00	v	
nchlf_ioff_ply_n/fd_20.00_1.20	0.00e+00	4.3838e-11	1.00e-06	3.320e-11	-1.00e-06	A	
pchl_svt_20.00_0.60	-1.10e+00	-8.3636e-01	-6.00e-01	-8.166e-02	-5.00e-01	v	
pchl_bvdss_20.00_0.60	-1.60e+01	-1.1262e+01	-7.00e+00	-1.890e-01	-9.00e+00	v	
npbias_npflag1_npbias	0.00e+00	0.0000e+00	1.00e+00	0.000e+00	-1.00e+00	na	

>>>>>>>>>>>>>>>>>>>>>>>>>>This die passed

>>>>>>>>>>>>>>>>>>>>>>>>>> This Wafer Passed